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# Department of Defense Fiscal Year (FY) 2024 Budget Estimates

March 2023



**Navy**

*Justification Book Volume 1 of 3*  
***Aircraft Procurement, Navy***  
**Budget Activities 01–04**

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Navy • Budget Estimates FY 2024 • Procurement

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## **Department of Defense Appropriations Act, 2024**

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### **Aircraft Procurement, Navy**

For construction, procurement, production, modification, and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$17,336,760,000 to remain available for obligation until September 30, 2026.

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**Fiscal Year (FY) 2024 Overseas Operations Costs funding accounted for in the Base budget total  
\$8,941,000.**

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**Department of Defense**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**DoD Component Summary**  
(Dollars in Thousands)

<u>Appropriation Summary</u>	<b>FY 2022 Actuals</b>	<b>FY 2023 Less Supplementals</b>	<b>FY 2023 Supplementals</b>	<b>FY 2023 Total Enactment</b>	<b>FY 2024 Request</b>
		<b>Enactment</b>	<b>Enactment*</b>		
Aircraft Procurement, Navy		17,714,627	19,031,864	19,031,864	17,336,760
<b>Total Department of the Navy</b>		<b>17,714,627</b>	<b>19,031,864</b>	<b>19,031,864</b>	<b>17,336,760</b>
<b>Grand Total Department of Defense</b>		<b>17,714,627</b>	<b>19,031,864</b>	<b>19,031,864</b>	<b>17,336,760</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
**FY 2024 President's Budget**  
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**Total Obligational Authority**  
**Navy Summary**  
**(Dollars in Thousands)**

<u>Appropriation Summary</u>	<b>FY 2022 Actuals</b>	<b>FY 2023 Less Supplementals Enactment</b>	<b>FY 2023 Supplementals Enactment*</b>	<b>FY 2023 Total</b>	<b>FY 2024 Enactment</b>	<b>FY 2024 Request</b>
Aircraft Procurement, Navy		17,714,627	19,031,864		19,031,864	17,336,760
<b>Total Department of the Navy</b>		<b>17,714,627</b>	<b>19,031,864</b>		<b>19,031,864</b>	<b>17,336,760</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
**FY 2024 President's Budget**  
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**Total Obligational Authority**  
**1506N BA Summary**  
**(Dollars in Thousands)**

Appropriation: Aircraft Procurement, Navy

	FY 2022 Actuals	FY 2023 Less Supplements Enactment	FY 2023 Supplements Enactment*	FY 2023 Total Enactment	FY 2024 Request
<b>Budget Activity</b>					
01. Combat aircraft	9,315,187	9,269,820		9,269,820	7,360,964
03. Trainer aircraft	163,490	227,617		227,617	289,141
04. Other aircraft	1,446,062	1,977,911		1,977,911	1,344,683
05. Modification of aircraft	3,579,320	4,336,956		4,336,956	4,692,040
06. Aircraft spares and repair parts	2,295,577	2,047,417		2,047,417	2,451,244
07. Aircraft support equipment and facilities	914,991	1,172,143		1,172,143	1,198,688
<b>Total Aircraft Procurement, Navy</b>	<b>17,714,627</b>	<b>19,031,864</b>		<b>19,031,864</b>	<b>17,336,760</b>

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
**FY 2024 President's Budget**  
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**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Appropriation: 1506 Aircraft Procurement, Navy	Line No	Ident Item Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
<b>Budget Activity 01: Combat aircraft</b>									
<b>Combat Aircraft</b>									
1	F/A-18E/F (Fighter) Hornet	A	U	12	977,161	8	671,065		
2	Joint Strike Fighter CV	A	U	15	(2,369,128)	19	(2,633,561)		
	Less: Advance Procurement (PY)				(-280,204)		(-290,161)		
				<b>15</b>	<b>2,088,924</b>	<b>19</b>	<b>2,343,400</b>		
3	Joint Strike Fighter CV								
	Advance Procurement (CY)				185,695		182,376		
	C (FY 2022 for FY 2023) (M)				(185,695)				
	C (FY 2023 for FY 2024) (M)						(182,376)		
	C (FY 2024 for FY 2025) (M)								
4	JSF STOVL	U		17	(2,450,068)	15	(2,199,491)		
	Less: Advance Procurement (PY)				(-260,785)		(-301,314)		
				<b>17</b>	<b>2,189,283</b>	<b>15</b>	<b>1,898,177</b>		
5	JSF STOVL								
	Advance Procurement (CY)				216,814		200,118		
	C (FY 2022 for FY 2023) (M)				(216,814)				

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
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**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

**FY 2023 Total Enactment**

**FY 2024 Request**

Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost
<b><u>Budget Activity 01: Combat aircraft</u></b>							
<b>Combat Aircraft</b>							
1	F/A-18E/F (Fighter) Hornet	A	U	8	671,065	0	41,329
2	Joint Strike Fighter CV	A	U	19	(2,633,561)	19	(2,592,945)
	Less: Advance Procurement (PY)				(-290,161)		(-182,376)
				<b>19</b>	<b>2,343,400</b>	<b>19</b>	<b>2,410,569</b>
3	Joint Strike Fighter CV				182,376	0	189,425
	Advance Procurement (CY)						
	C (FY 2022 for FY 2023) (M)				(182,376)		
	C (FY 2023 for FY 2024) (M)					0	(189,425)
	C (FY 2024 for FY 2025) (M)						
4	JSF STOVL	U		15	(2,199,491)	16	(2,326,435)
	Less: Advance Procurement (PY)				(-301,314)		(-200,118)
				<b>15</b>	<b>1,898,177</b>	<b>16</b>	<b>2,126,317</b>
5	JSF STOVL				200,118	0	193,125
	Advance Procurement (CY)						
	C (FY 2022 for FY 2023) (M)						

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**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment		
Appropriation: 1506 Aircraft Procurement, Navy	Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
		C (FY 2023 for FY 2024) (M)						(200,118)		
		C (FY 2024 for FY 2025) (M)								
6	CH-53K (Heavy Lift)		A	U	11	(1,651,010)	12	(2,059,513)		
		Less: Advance Procurement (PY)				(-164,616)		(-182,903)		
					11	<b>1,486,394</b>	12	<b>1,876,610</b>		
7	CH-53K (Heavy Lift)									
		Advance Procurement (CY)				182,903		341,692		
		C (FY 2022 for FY 2023) (M)				(182,903)				
		C (FY 2023 for FY 2024) (M)						(341,692)		
		C (FY 2024 for FY 2025) (M)								
8	V-22 (Medium Lift)			U	12	(1,098,263)	5	(508,700)		
		Less: Advance Procurement (PY)				(-24,337)				
					12	<b>1,073,926</b>	5	<b>508,700</b>		
9	H-1 Upgrades (UH-1Y/AH-1Z)		A	U	0	935				
10	P-8A Poseidon		A	U	0	44,595		41,521		
11	E-2D Adv Hawkeye		A	U	5	(944,475)	7	(1,407,727)		
		Less: Advance Procurement (PY)				(-194,856)		(-201,566)		

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
	C (FY 2023 for FY 2024) (M)				(200,118)		
	C (FY 2024 for FY 2025) (M)					0	(193,125)
6	CH-53K (Heavy Lift)	A	U	12	(2,059,513)	15	(2,039,742)
	Less: Advance Procurement (PY)				(-182,903)		(-341,692)
				<b>12</b>	<b>1,876,610</b>	<b>15</b>	<b>1,698,050</b>
7	CH-53K (Heavy Lift)						
	Advance Procurement (CY)				341,692	0	456,567
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(341,692)		
	C (FY 2024 for FY 2025) (M)					0	(456,567)
8	V-22 (Medium Lift)		U	5	(508,700)	0	(27,216)
	Less: Advance Procurement (PY)					<b>0</b>	<b>27,216</b>
9	H-1 Upgrades (UH-1Y/AH-1Z)	A	U			0	4,292
10	P-8A Poseidon	A	U		41,521	0	31,257
11	E-2D Adv Hawkeye	A	U	7	(1,407,727)	0	(182,817)
	Less: Advance Procurement (PY)				(-201,566)		

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Department of the Navy  
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Total Obligational Authority  
1506N Detail  
(Dollars in Thousands)

Appropriation: 1506 Aircraft Procurement, Navy				FY 2022 Actuals		FY 2023 Less Supplementals		FY 2023 Supplementals			
Line	Ident	Se		Code	c	Quantity	Cost	Quantity	Cost	Quantity	Enactment
No	Item	Nomenclature									
						5	749,619	7	1,206,161		
12	E-2D Adv Hawkeye										
	Advance Procurement (CY)						118,938				
	C (FY 2022 for FY 2023) (M)						(118,938)				
<b>Total Combat aircraft</b>				<b>72</b>		<b>9,315,187</b>		<b>66</b>		<b>9,269,820</b>	

### Budget Activity 03: Trainer aircraft

## **Trainer Aircraft**

13	Multi-Engine Training System (METS)	A	U		10	107,801	
14	Advanced Helicopter Training System	A	U	36	163,490	26	119,814
<b>Total Trainer aircraft</b>				<b>36</b>	<b>163,490</b>	<b>36</b>	<b>227,615</b>

#### Budget Activity 04: Other aircraft

### Other Aircraft

15	KC-130J	A	U	6	(599,311)	5	(539,589)
	Less: Advance Procurement (PY)				(-87,022)		(-100,088)

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>FY 2023 Total Enactment</b>		<b>FY 2024 Request</b>	
				<b>Quantity</b>	<b>Cost</b>	<b>Quantity</b>	<b>Cost</b>
				7	1,206,161	0	182,817
12	E-2D Adv Hawkeye Advance Procurement (CY) C (FY 2022 for FY 2023) (M)			66	9,269,820	50	7,360,964
<b>Total Combat aircraft</b>							

**Budget Activity 03: Trainer aircraft**

**Trainer Aircraft**

13	Multi-Engine Training System (METS)	A	U	10	107,801	26	289,141
14	Advanced Helicopter Training System	A	U	26	119,816		
<b>Total Trainer aircraft</b>							
				36	227,617	26	289,141

**Budget Activity 04: Other aircraft**

**Other Aircraft**

15	KC-130J	A	U	5	(539,589)	2	(270,413)
	Less: Advance Procurement (PY)				(-100,088)		(-29,122)
				5	439,501	2	241,291

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**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment			
Appropriation:	Line No	Item Nomenclature		Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
1506 Aircraft Procurement, Navy											
16	KC-130J										
	Advance Procurement (CY)						68,088			29,122	
	C (FY 2022 for FY 2023) (M)						(68,088)				
	C (FY 2023 for FY 2024) (M)									(29,122)	
17	MQ-4 Triton			A	U	2	(483,151)	3	(584,192)		
	Less: Advance Procurement (PY)					2	483,151	3	584,192		
18	MQ-4 Triton										
	Advance Procurement (CY)									70,335	
	C (FY 2023 for FY 2024) (M)									(70,335)	
19	MQ-8 UAV			B	U	0	49,249				
20	STUASL0 UAV				U	0	13,151			2,703	
21	MQ-25			A	U			1	(744,181)		
	Less: Advance Procurement (PY)									(-47,468)	
						1		1	696,713		
22	MQ-25										
	Advance Procurement (CY)						47,468			51,463	

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

Line No	Item Nomenclature	Ident Code	Se c	FY 2023 Total Enactment		FY 2024 Request	
				Quantity	Cost	Quantity	Cost
16	KC-130J						
	Advance Procurement (CY)				29,122		
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(29,122)		
17	MQ-4 Triton	A	U	3	(584,192)	2	(486,345)
	Less: Advance Procurement (PY)						(-70,335)
				<hr/>	<hr/>	<hr/>	<hr/>
				3	584,192	2	416,010
18	MQ-4 Triton						
	Advance Procurement (CY)				70,335		
	C (FY 2023 for FY 2024) (M)				(70,335)		
19	MQ-8 UAV	B	U			0	1,546
20	STUASL0 UAV		U		2,703		
21	MQ-25	A	U	1	(744,181)	3	(597,160)
	Less: Advance Procurement (PY)				(-47,468)		(-51,463)
				<hr/>	<hr/>	<hr/>	<hr/>
				1	696,713	3	545,697
22	MQ-25						
	Advance Procurement (CY)				51,463	0	50,576

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**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment		
Appropriation: 1506 Aircraft Procurement, Navy	Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
C (FY 2022 for FY 2023) (M)						(47,468)				
C (FY 2023 for FY 2024) (M)								(51,463)		
C (FY 2024 for FY 2025) (M)										
23 Marine Group 5 UAS	A	U			8	272,666	5	103,882		
<b>Total Other aircraft</b>					<b>16</b>	<b>1,446,062</b>	<b>14</b>	<b>1,977,911</b>		

**Budget Activity 05: Modification of aircraft****Modification of Aircraft**

24 F-18 A-D Unique	A	U	0	162,095	141,514
25 F-18E/F and EA-18G Modernization and Sustainm	A	U	0	445,721	552,849
26 Marine Group 5 UAS Series	A	U	0	1,982	86,116
27 AEA Systems		U	0	20,221	25,058
28 AV-8 Series	A	U	0	14,626	26,657
29 Infrared Search and Track (IRST)	A	U	0	120,377	121,039
30 Adversary	A	U	0	137,875	105,188

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
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**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>FY 2023 Total Enactment</b>		<b>FY 2024 Request</b>	
				<b>Quantity</b>	<b>Cost</b>	<b>Quantity</b>	<b>Cost</b>
	C (FY 2022 for FY 2023) (M)						
	C (FY 2023 for FY 2024) (M)				(51,463)		
	C (FY 2024 for FY 2025) (M)					0	(50,576)
23	Marine Group 5 UAS	A	U	5	103,882	5	89,563
<b>Total Other aircraft</b>				<b>14</b>	<b>1,977,911</b>	<b>12</b>	<b>1,344,683</b>

**Budget Activity 05: Modification of aircraft**

**Modification of Aircraft**

24	F-18 A-D Unique	A	U		141,514	0	116,551
25	F-18E/F and EA-18G Modernization and Sustainm	A	U		552,849	0	605,416
26	Marine Group 5 UAS Series	A	U		86,116	0	98,063
27	AEA Systems		U		25,058	0	24,110
28	AV-8 Series	A	U		26,657	0	22,829
29	Infrared Search and Track (IRST)	A	U		121,039	0	179,193
30	Adversary	A	U		105,188	0	69,336

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**Department of the Navy**  
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**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
31	F-18 Series	A	U	0	327,000			461,118	
32	H-53 Series	A	U	0	108,415			40,151	
33	MH-60 Series	A	U	0	94,708			136,238	
34	H-1 Series	A	U	0	118,778			122,498	
35	EP-3 Series	A	U	0	28,848			8,492	
36	E-2 Series	A	U	0	199,869			188,897	
37	Trainer A/C Series	A	U	0	7,849			9,568	
38	C-2A	A	U	0	2,843				
39	C-130 Series	A	U	0	103,539			132,170	
40	FEWSG	A	U	0	734			695	
41	Cargo/Transport A/C Series	A	U	0	5,371			10,902	
42	E-6 Series	A	U	0	113,247			129,049	

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>FY 2023 Total Enactment</b>		<b>FY 2024 Request</b>	
				<b>Quantity</b>	<b>Cost</b>	<b>Quantity</b>	<b>Cost</b>
31	F-18 Series	A	U		461,118	0	640,236
32	H-53 Series	A	U		40,151	0	41,414
33	MH-60 Series	A	U		136,238	0	106,495
34	H-1 Series	A	U		122,498	0	114,284
35	EP-3 Series	A	U		8,492	0	8,548
36	E-2 Series	A	U		188,897	0	183,246
37	Trainer A/C Series	A	U		9,568	0	16,376
38	C-2A	A	U				
39	C-130 Series	A	U		132,170	0	198,220
40	FEWSG	A	U		695	0	651
41	Cargo/Transport A/C Series	A	U		10,902	0	13,930
42	E-6 Series	A	U		129,049	0	164,571

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**Department of the Navy**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
43	Executive Helicopters Series	A	U	0	40,158			55,265	
44	T-45 Series	A	U	0	155,366			199,356	
45	Power Plant Changes	A	U	0	28,923			24,685	
46	JPATS Series	A	U	0	20,958			19,780	
47	Aviation Life Support Mods	A	U	0	2,416			1,143	
48	Common ECM Equipment	A	U	0	118,071			118,122	
49	Common Avionics Changes	A	U	0	102,861			128,120	
50	Common Defensive Weapon System	A	U	0	5,422			6,373	
51	ID Systems	A	U	0	13,100			3,828	
52	P-8 Series		U	0	115,940			241,987	
53	MAGTF EW for Aviation	A	U	0	29,149			24,684	
54	MQ-8 Series		U	0	31,566			9,846	

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>FY 2023 Total Enactment</b>		<b>FY 2024 Request</b>	
				<b>Quantity</b>	<b>Cost</b>	<b>Quantity</b>	<b>Cost</b>
43	Executive Helicopters Series	A	U		55,265	0	60,498
44	T-45 Series	A	U		199,356	0	170,357
45	Power Plant Changes	A	U		24,685	0	21,079
46	JPATS Series	A	U		19,780	0	28,005
47	Aviation Life Support Mods	A	U		1,143		
48	Common ECM Equipment	A	U		118,122	0	53,614
49	Common Avionics Changes	A	U		128,120	0	136,199
50	Common Defensive Weapon System	A	U		6,373	0	6,585
51	ID Systems	A	U		3,828	0	13,085
52	P-8 Series		U		241,987	0	316,168
53	MAGTF EW for Aviation	A	U		24,684	0	24,901
54	MQ-8 Series		U		9,846	0	14,700

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**Department of the Navy**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*
55	V-22 (Tilt/Rotor ACFT) Osprey	B	U	0	250,512			233,128	
56	Next Generation Jammer (NGJ)	A	U	0	255,393			463,146	
57	F-35 STOVL Series	A	U	0	161,776			189,528	
58	F-35 CV Series	A	U	0	118,933			173,349	
59	QRC	A	U	0	93,563			47,864	
60	MQ-4 Series	A	U	0	7,046			91,977	
61	RQ-21 Series	A	U	0	14,069			6,576	
<b>Total Modification of aircraft</b>				<b>0</b>	<b>3,579,320</b>			<b>4,336,956</b>	

**Budget Activity 06: Aircraft spares and repair parts****Aircraft Spares and Repair Parts**

62	Spares and Repair Parts	A	U	0	2,295,577		2,047,417
<b>Total Aircraft spares and repair parts</b>				<b>0</b>	<b>2,295,577</b>		<b>2,047,417</b>

**Budget Activity 07: Aircraft support equipment and facilities**

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>FY 2023 Total Enactment</b>		<b>FY 2024 Request</b>	
				<b>Quantity</b>	<b>Cost</b>	<b>Quantity</b>	<b>Cost</b>
55	V-22 (Tilt/Rotor ACFT) Osprey	B	U		233,128	0	215,997
56	Next Generation Jammer (NGJ)	A	U		463,146	0	426,396
57	F-35 STOVL Series	A	U		189,528	0	311,921
58	F-35 CV Series	A	U		173,349	0	166,909
59	QRC	A	U		47,864	0	28,206
60	MQ-4 Series	A	U		91,977	0	93,951
61	RQ-21 Series	A	U		6,576		
<b>Total Modification of aircraft</b>					<b>4,336,956</b>	0	<b>4,692,040</b>

**Budget Activity 06: Aircraft spares and repair parts**

**Aircraft Spares and Repair Parts**

62	Spares and Repair Parts	A	U	2,047,417	0	2,451,244
<b>Total Aircraft spares and repair parts</b>				<b>2,047,417</b>	0	<b>2,451,244</b>

**Budget Activity 07: Aircraft support equipment and facilities**

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**Department of the Navy**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment						
				Ident Code	Se c	Quantity	Cost	Quantity	Cost	Quantity	Cost*			
<b>Appropriation: 1506 Aircraft Procurement, Navy</b>														
Line No	Item	Nomenclature												
<b>Aircraft Support Equip &amp; Facilities</b>														
63	Common Ground Equipment			A	U	0	497,362			528,433				
64	Aircraft Industrial Facilities			A	U	0	80,500			101,559				
65	War Consumables			A	U	0	42,431			40,316				
66	Other Production Charges			A	U	0	21,374			46,403				
67	Special Support Equipment			A	U	0	271,774			455,432				
68	Judgment Fund			A	U	0	1,453							
69	Cancelled Account Adjustments			A	U	0	97							
<b>Total Aircraft support equipment and facilities</b>						0	<b>914,991</b>			<b>1,172,143</b>				
<b>Total Aircraft Procurement, Navy</b>						<b>124</b>	<b>17,714,627</b>	<b>116</b>	<b>19,031,864</b>					

\*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

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**Department of the Navy**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**1506N Detail**  
**(Dollars in Thousands)**

**Appropriation: 1506 Aircraft Procurement, Navy**

<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>FY 2023 Total Enactment</b>		<b>FY 2024 Request</b>	
				<b>Quantity</b>	<b>Cost</b>	<b>Quantity</b>	<b>Cost</b>
<b>Aircraft Support Equip &amp; Facilities</b>							
63	Common Ground Equipment	A	U		528,433	0	566,156
64	Aircraft Industrial Facilities	A	U		101,559	0	133,815
65	War Consumables	A	U		40,316	0	44,632
66	Other Production Charges	A	U		46,403	0	49,907
67	Special Support Equipment	A	U		455,432	0	404,178
68	Judgment Fund	A	U				
69	Cancelled Account Adjustments	A	U				
<b>Total Aircraft support equipment and facilities</b>					<b>1,172,143</b>	0	<b>1,198,688</b>
<b>Total Aircraft Procurement, Navy</b>				<b>116</b>	<b>19,031,864</b>	<b>88</b>	<b>17,336,760</b>

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**Department of Defense**  
**FY 2024 President's Budget**  
**Exhibit P-1 FY 2024 President's Budget**  
**Total Obligational Authority**  
**DoD Component Summary**  
**(Dollars in Thousands)**

Appropriation Summary

	<b>FY 2023</b>	<b>FY 2024</b>
	Overseas Operations Costs (OOC)*	Overseas Operations Costs (OOC)*
Aircraft Procurement, Navy	5,823	8,941
<b>Total Department of the Navy</b>	<b>5,823</b>	<b>8,941</b>
<b>Grand Total Department of Defense</b>	<b>5,823</b>	<b>8,941</b>

\*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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Department of the Navy  
FY 2024 President's Budget  
Exhibit P-1 FY 2024 President's Budget  
Total Obligational Authority  
Navy Summary  
(Dollars in Thousands)

Appropriation Summary

	FY 2023 Overseas Operations Costs (OOC)*	FY 2024 Overseas Operations Costs (OOC)*
Aircraft Procurement, Navy	5,823	8,941
<b>Total Department of the Navy</b>	<b>5,823</b>	<b>8,941</b>

\*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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Department of the Navy  
FY 2024 President's Budget  
Exhibit P-1 FY 2024 President's Budget  
Total Obligational Authority  
1506N BA Summary  
(Dollars in Thousands)

Appropriation: Aircraft Procurement, Navy

FY 2023	FY 2024
Overseas	Overseas
Operations	Operations
<u>Costs (OOC)*</u>	<u>Costs (OOC)*</u>

**Budget Activity**

05. Modification of aircraft	5,823	8,941
<b>Total Aircraft Procurement, Navy</b>	<b>5,823</b>	<b>8,941</b>

\*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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Department of the Navy  
 FY 2024 President's Budget  
**Exhibit P-1 FY 2024 President's Budget**  
 Total Obligational Authority  
 1506N Detail  
 (Dollars in Thousands)

<b>Appropriation: 1506 Aircraft Procurement, Navy</b>				<b>FY 2023 Overseas Operations Costs (OOC)</b>	<b>FY 2024 Overseas Operations Costs (OOC)</b>		
<b>Line No</b>	<b>Item Nomenclature</b>	<b>Ident Code</b>	<b>Se c</b>	<b>Quantity</b>	<b>Cost<sup>*</sup></b>	<b>Quantity</b>	<b>Cost<sup>*</sup></b>
<b><u>Budget Activity 05: Modification of aircraft</u></b>							
<b>Modification of Aircraft</b>							
35	EP-3 Series	A	U		5,823	0	3,931
59	QRC	A	U			0	5,010
<b>Total Modification of aircraft</b>					<b>5,823</b>	<b>0</b>	<b>8,941</b>
<b>Total Aircraft Procurement, Navy</b>					<b>5,823</b>	<b>0</b>	<b>8,941</b>

\*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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6	01	01	0158	CH-53K (Heavy Lift).....	Volume 1 - 61
7	01	01	0158	CH-53K (Heavy Lift), Advance Procurement.....	Volume 1 - 77
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***Appropriation 1506N: Aircraft Procurement, Navy***

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28	05	01	0514	AV-8 Series.....	Volume 2 - 97
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30	05	01	0522	Adversary.....	Volume 2 - 119
31	05	01	0525	F-18 Series.....	Volume 2 - 147
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34	05	01	0532	H-1 Series.....	Volume 2 - 297
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Common Defensive Weapon System	0581	50	05	01.....	Volume 2 - 687
Common ECM Equipment	0576	48	05	01.....	Volume 2 - 623
Common Ground Equipment	0705	63	07	01.....	Volume 3 - 11
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MQ-25	0449	21	04	01.....	Volume 1 - 201
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T-45 Series	0569	44	05	01.....	Volume 2 - 543
Trainer Acft Series	0549	37	05	01.....	Volume 2 - 377
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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0145 / FA-18E/F							
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A				Other Related Program Elements: 0204136N, 0604269N, 0305207N, 0604270N, 0204154N					
<b>Line Item MDAP/MAIS Code: 000</b>												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	678	12	8	-	-	-	-	-	-	-	-	698
Gross/Weapon System Cost (\$ in Millions)	52,315.721	977.161	671.065	41.329	0.000	41.329	28.671	50.898	0.000	0.000	-	54,084.845
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	52,315.721	977.161	671.065	41.329	0.000	41.329	28.671	50.898	0.000	0.000	-	54,084.845
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>52,315.721</b>	<b>977.161</b>	<b>671.065</b>	<b>41.329</b>	<b>0.000</b>	<b>41.329</b>	<b>28.671</b>	<b>50.898</b>	<b>0.000</b>	<b>0.000</b>	-	<b>54,084.845</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	39.125	22.358	-	-	-	1.681	-	-	-	-	63.164
Flyaway Unit Cost (\$ in Thousands)	66,221.326	74,231.500	74,732.500	-	-	-	-	-	-	-	-	66,585.335
Gross/Weapon System Unit Cost (\$ in Thousands)	77,161.830	81,430.083	83,883.125	-	-	-	-	-	-	-	-	77,485.451

**Description:**

The F/A-18E/F Naval Strike Fighter is a twin-engine, mid-wing, multi-mission tactical aircraft. F/A-18E/F can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This capability allows the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18E/F is a strike fighter which includes the traditional applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since the same airframe systems are used on attack missions as well as fighter missions, excellent fighter and self defense capability is retained.

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0145 / FA-18E/F						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A		<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 0204136N, 0604269N, 0305207N, 0604270N, 0204154N				
<b>Line Item MDAP/MAIS Code:</b> 000										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	
P-5	1 / 0145 F/A-18 E/F MYP	P-5a, P-21			678 / 52,315.721	12 / 977.161	8 / 671.065	- / 41.329	- / 0.000	- / 41.329
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>678 / 52,315.721</b>	<b>12 / 977.161</b>	<b>8 / 671.065</b>	<b>- / 41.329</b>	<b>- / 0.000</b>	<b>- / 41.329</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2024 request is for the Production Engineering and Integrated Logistics Support for government production-related engineering operations and logistics operations support through delivery of the final Lot 47/FY2023 aircraft. FY 2024 Production Line Shutdown funds costs associated with Aircraft Contractor Furnished Equipment (CFE), Government Furnish Equipment/Government Furnished Property (GFE/GFP) which includes planning and administration of the physical disposition of tools and equipment, data transition, supplier close-out, government and contractor labor. FY 2023 is the last year of procurement of the E/F aircraft.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>												<b>Date: March 2023</b>					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0145 / FA-18E/F									<b>Item Number / Title [DODIC]:</b> 1 / 0145 F/A-18 E/F MYP					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>			
Procurement Quantity ( <i>Units in Each</i> )						678		12		8		-		-	-		
Gross/Weapon System Cost (\$ in Millions)						52,315.721		977.161		671.065		41.329		0.000	41.329		
Less PY Advance Procurement (\$ in Millions)						-		-		-		-		-	-		
Net Procurement (P-1) (\$ in Millions)						52,315.721		977.161		671.065		41.329		0.000	41.329		
Plus CY Advance Procurement (\$ in Millions)						-		-		-		-		-	-		
<b>Total Obligation Authority</b> (\$ in Millions)						<b>52,315.721</b>		<b>977.161</b>		<b>671.065</b>		<b>41.329</b>		<b>0.000</b>	<b>41.329</b>		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)						-		39.125		22.358		-		-	-		
Gross/Weapon System Unit Cost (\$ in Thousands)						77,161.830		81,430.083		83,883.125		-		-	-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																	
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)
Flyaway Cost																	
Recurring Cost																	
1.1.1) Airframe/CFE <sup>(†)</sup>	40,290.027	678	27,316.638	45,327.583	12	543.931	47,420.496	8	379.364	-	-	-	-	-	-	-	-
1.1.2) CFE Electronics	5,979.709	678	4,054.243	11,266.000	12	135.192	11,861.782	8	94.894	-	-	-	-	-	-	-	-
1.1.3) GFE Electronics	1,856.426	678	1,258.657	2,529.667	12	30.356	2,596.526	8	20.772	-	-	-	-	-	-	-	-
1.1.4) Engines/Eng Acc <sup>(†)</sup>	4,108.446	1,356	5,571.053	4,842.458	24	116.219	5,080.755	16	81.292	-	-	-	-	-	-	-	-
1.1.5) Armament	269.811	678	182.932	531.833	12	6.382	581.843	8	4.655	-	-	-	-	-	-	-	-
1.1.6) Other GFE	545.260	678	369.686	960.583	12	11.527	763.927	8	6.111	-	-	-	-	-	-	-	-
1.1.7) Rec Flyaway ECO	699.501	678	474.262	565.917	12	6.791	1,185.646	8	9.485	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	39,227.471	-	-	850.398	-	-	596.573	-	-	-	-	-	-	-	-
Non Recurring Cost																	
1.2.1) Non-Recur Cost	-	-	1,714.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2.2) Ancillary Equip	-	-	3,956.094	-	-	40.380	-	-	1.287	-	-	-	-	-	-	-	-
1.2.3) Production Line Shutdown <sup>(†)</sup>	-	-	-	-	-	-	-	-	-	-	-	10.298	-	-	-	-	10.298
<i>Subtotal: Non Recurring Cost</i>	-	-	5,670.588	-	-	40.380	-	-	1.287	-	-	10.298	-	-	-	-	10.298
<i>Subtotal: Flyaway Cost</i>	-	-	<b>44,898.059</b>	-	-	<b>890.778</b>	-	-	<b>597.860</b>	-	-	<b>10.298</b>	-	-	-	-	<b>10.298</b>
Support Cost																	
2.1) Airframe PGSE	-	-	422.267	-	-	3.616	-	-	3.688	-	-	-	-	-	-	-	-
2.2) Engine PGSE	-	-	148.623	-	-	1.966	-	-	2.006	-	-	-	-	-	-	-	-

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023											
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0145 / FA-18E/F								<b>Item Number / Title [DODIC]:</b> 1 / 0145 F/A-18 E/F MYP											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>							
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>					
2.3) Avionics PGSE	-	-	450.063	-	-	2.111	-	-	2.153	-	-	-	-	-	-	-	-	-					
2.4) Pec Trng Eq	-	-	841.117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
2.5) Pub/Tech Eq	-	-	405.506	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
2.6) Prod Eng Supt <sup>(2)</sup>	-	-	3,078.125	-	-	52.282	-	-	45.751	-	-	20.866	-	-	-	-	-	20.866					
2.7) Other ILS <sup>(3)</sup>	-	-	2,071.961	-	-	26.408	-	-	19.607	-	-	10.165	-	-	-	-	-	10.165					
<i>Subtotal: Support Cost</i>	-	-	<b>7,417.662</b>	-	-	<b>86.383</b>	-	-	<b>73.205</b>	-	-	<b>31.031</b>	-	-	-	-	-	<b>31.031</b>					
<b>Gross/Weapon System Cost</b>	<b>77,161.830</b>	<b>678</b>	<b>52,315.721</b>	<b>81,430.083</b>	<b>12</b>	<b>977.161</b>	<b>83,883.125</b>	<b>8</b>	<b>671.065</b>	-	-	<b>41.329</b>	-	-	<b>0.000</b>	-	-	<b>41.329</b>					

(†) indicates the presence of a P-5a

**Footnotes:**

(1) FY2024 through FY2026 Production Line Shutdown funds costs associated with Aircraft Contractor Furnished Equipment (CFE), Government Furnish Equipment/Government Furnished Property (GFE/GFP) which includes planning and administration of the physical disposition of tools and equipment, data transition, supplier close-out, government and contractor labor.

(2) Production Engineering Support in FYs 2022-2024 funds government production-related engineering operations and support through delivery of the final Lot 47/FY2023 aircraft.

(3) Integrated Logistics Support in FYs 2022-2024 funds government production-related logistics operations and support through delivery of the final Lot 47/FY2023 aircraft.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0145 / FA-18E/F					Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2016	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Feb 2017	Jan 2018	5	39,030.000	Y		Jan 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2017	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Sep 2017	Aug 2018	12	43,833.985	Y		Mar 2017
1.1.1) Airframe/CFE <sup>(†)</sup>	✓	2017	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Sep 2017	Aug 2018	2	43,833.985	Y		Oct 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2018 <sup>(4)</sup>	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Jun 2018	Apr 2019	24	38,315.167	Y		Mar 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2019	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Mar 2019	Jul 2021	24	37,948.333	Y		Dec 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Dec 2019	Sep 2022	24	37,749.417	Y		Dec 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Dec 2020	Sep 2023	24	39,629.877	Y		Dec 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Jun 2023	Jan 2025	12	45,327.583	Y		Jul 2022
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	Boeing Co. / St. Louis, MO	SS / FPIF	NAVAIR	Jun 2023	Jul 2025	8	47,420.496	Y		Jan 2023
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2016	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Mar 2017	May 2017	10	4,200.000	Y		Jan 2016
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2017	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Sep 2017	Mar 2018	24	4,014.000	Y		Mar 2017
1.1.4) Engines/Eng Acc <sup>(†)</sup>	✓	2017	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Apr 2017	Jan 2018	4	4,014.000	Y		Oct 2016
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2018	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Mar 2018	Mar 2019	48	4,437.396	Y		Oct 2017
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2019	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Jun 2019	Sep 2020	48	4,821.104	Y		Dec 2018
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2020	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Dec 2019	Sep 2021	48	4,489.375	Y		Dec 2018
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2021	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Dec 2020	Sep 2022	48	4,614.042	Y		Dec 2019
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2022	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Jun 2022	Jan 2024	24	4,842.458	Y		Dec 2019
1.1.4) Engines/Eng Acc <sup>(†)</sup>		2023	General Electric Company / Lynn, MA	SS / FPIF	NAVAIR	Jun 2023	Jul 2024	16	5,080.755	Y		Feb 2023

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(4)</sup> FY18 Lot 42 was procured in two separate buys. Eighteen (18) aircraft were procured in June 2018; the remaining six (6) aircraft were procured in March 2019.

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F											Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																		
Cost Elements (Units in Each)						Fiscal Year 2017															Fiscal Year 2018																		
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE																																							
Prior Years Deliveries: 563																																							
1	2016	NAVY	5	0	5					A -	-	-	-	-	-	-	-	-	-	-	2	2	1													0			
1	2017	NAVY	12	0	12																A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	10		
✓	1	2017	NAVY	2	0	2															A -	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0		
1	2018	NAVY	24 <sup>(5)</sup>	0	24																																	24	
1	2019	NAVY	24	0	24																																	24	
1	2020	NAVY	24	0	24																																	24	
1	2021	NAVY	24	0	24																																	24	
1	2022	NAVY	12	0	12																																	12	
1	2023	NAVY	8	0	8																																		8
1.1.4) Engines/Eng Acc																																							
Prior Years Deliveries: 1126																																							
2	2016	NAVY	10	0	10					A -	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0				
2	2017	NAVY	24	0	24																A -	-	-	-	-	-	-	4	4	4	4	4	2	2	0				
✓	2	2017	NAVY	4	0	4				A -	-	-	-	-	-	-	-	-	-	-	2	2															0		
2	2018	NAVY	48 <sup>(6)</sup>	0	48																						A -	-	-	-	-	-	-	-	-	48			
2	2019	NAVY	48	0	48																																	48	
2	2020	NAVY	48	0	48																																	48	
2	2021	NAVY	48 <sup>(7)</sup>	0	48																																	48	
2	2022	NAVY	24 <sup>(8)</sup>	0	24																																	24	
2	2023	NAVY	16	0	16					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F										Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																														
Cost Elements (Units in Each)					Fiscal Year 2019															Fiscal Year 2020																														
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	Calendar Year 2019										Calendar Year 2020										B A L A N C E																								
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																											
1.1.1) Airframe/CFE																																																		
Prior Years Deliveries: 563																																																		
1	2016	NAVY	5	5	0																															0														
1	2017	NAVY	12	2	10	2	2	2	2	2																															0									
✓	1	2017	NAVY	2	2	0																															0													
1	2018	NAVY	24 <sup>(5)</sup>	0	24	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6														
1	2019	NAVY	24	0	24						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24																
1	2020	NAVY	24	0	24																															24														
1	2021	NAVY	24	0	24																															24														
1	2022	NAVY	12	0	12																															12														
1	2023	NAVY	8	0	8																															8														
1.1.4) Engines/Eng Acc																																																		
Prior Years Deliveries: 1126																																			0															
2	2016	NAVY	10	10	0																															0														
2	2017	NAVY	24	24	0																															0														
✓	2	2017	NAVY	4	4	0																															0													
2	2018	NAVY	48 <sup>(6)</sup>	0	48	-	-	-	-	-	1	2	4	4	4	3	2	2	2	2	1	1	2	3	3	4	4	4																0						
2	2019	NAVY	48	0	48						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44																
2	2020	NAVY	48	0	48																															48														
2	2021	NAVY	48 <sup>(7)</sup>	0	48																															48														
2	2022	NAVY	24 <sup>(8)</sup>	0	24																															24														
2	2023	NAVY	16	0	16																															16														
			O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																								

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																																																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F										Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																																																								
Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022											B A L A N C E																																														
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																															
1.1.1) Airframe/CFE							Calendar Year 2021												Calendar Year 2022																																																									
Prior Years Deliveries: 563																																																																												
1	2016	NAVY	5	5	0																									0																																														
1	2017	NAVY	12	12	0																									0																																														
✓ 1	2017	NAVY	2	2	0																									0																																														
1	2018	NAVY	24 <sup>(5)</sup>	18	6	-	-	-	2	2	2																									0																																								
1	2019	NAVY	24	0	24	-	-	-	-	-	-																									1	0																																							
1	2020	NAVY	24	0	24	-	-	-	-	-	-																									1	23																																							
1	2021	NAVY	24	0	24	A -	-	-	-	-	-																									24																																								
1	2022	NAVY	12	0	12																																					12																																		
1	2023	NAVY	8	0	8																																			8																																				
1.1.4) Engines/Eng Acc																																																																												
Prior Years Deliveries: 1126																																																																												
2	2016	NAVY	10	10	0																																					0																																		
2	2017	NAVY	24	24	0																																					0																																		
✓ 2	2017	NAVY	4	4	0																																					0																																		
2	2018	NAVY	48 <sup>(6)</sup>	48	0																																					0																																		
2	2019	NAVY	48	4	44	4	4	4	4	-	6	5	5	4	4	4	4																								0																																			
2	2020	NAVY	48	0	48	-	-	-	-	-	-	-	-	-	-	-	-																								0																																			
2	2021	NAVY	48 <sup>(7)</sup>	0	48	A -	-	-	-	-	-	44																																																																
2	2022	NAVY	24 <sup>(8)</sup>	0	24																																					24																																		
2	2023	NAVY	16	0	16																																						16																																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																															

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0145 / FA-18E/F										Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																				
Cost Elements (Units in Each)							Fiscal Year 2023												Fiscal Year 2024																					
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023												Calendar Year 2024												B A L A N C E										
O C T N O V D E C J A N F E B M A R M A P M A Y J U N J U L A U G S E P O C T N O V D E C J A N F E B M A R A P M A Y J U N J U L A U G S E P												J A N F E B M A R A P M A Y J U N J U L A U G S E P												1.1.1) Airframe/CFE																
Prior Years Deliveries: 563																																								
1	2016	NAVY	5	5	0																									0										
1	2017	NAVY	12	12	0																									0										
✓ 1	2017	NAVY	2	2	0																									0										
1	2018	NAVY	24 <sup>(5)</sup>	24	0																									0										
1	2019	NAVY	24	24	0																									0										
1	2020	NAVY	24	1	23	2	2	2	2	2	2	2	2	2	2	2													1.1.1) Airframe/CFE											
1	2021	NAVY	24	0	24	-	-	-	-	-	-	-	-	-	-	-													1.1.1) Airframe/CFE											
1	2022	NAVY	12	0	12																											12								
1	2023	NAVY	8	0	8																											8								
Prior Years Deliveries: 1126																																								
2	2016	NAVY	10	10	0																											0								
2	2017	NAVY	24	24	0																											0								
✓ 2	2017	NAVY	4	4	0														0																					
2	2018	NAVY	48 <sup>(6)</sup>	48	0														0																					
2	2019	NAVY	48	48	0														0																					
2	2020	NAVY	48	48	0														0																					
2	2021	NAVY	48 <sup>(7)</sup>	4	44	-	-	-	4	4	5	2	3	3	2	3	3	2	5	5	3													0						
2	2022	NAVY	24 <sup>(8)</sup>	0	24	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5	5	5	4	4													0			
2	2023	NAVY	16	0	16																										4									
O C T N O V D E C J A N F E B M A R M A P M A Y J U N J U L A U G S E P O C T N O V D E C J A N F E B M A R A P M A Y J U N J U L A U G S E P												J A N F E B M A R A P M A Y J U N J U L A U G S E P												1.1.4) Engines/Eng Acc																
Prior Years Deliveries: 1126																																								

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																																									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1								P-1 Line Item Number / Title: 0145 / FA-18E/F											Item Number / Title [DODIC]: 1 / 0145 F/A-18 E/F MYP																																									
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026												BALANCE																													
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																														
							Calendar Year 2025												Calendar Year 2026																																									
1.1.1) Airframe/CFE																																																												
Prior Years Deliveries: 563																																																												
1	2016	NAVY		5	5	0																														0																								
1	2017	NAVY		12	12	0																														0																								
✓ 1	2017	NAVY		2	2	0																														0																								
1	2018	NAVY		24 <sup>(5)</sup>	24	0																													0																									
1	2019	NAVY		24	24	0																													0																									
1	2020	NAVY		24	24	0																													0																									
1	2021	NAVY		24	19	5	2	2	1																									0																										
1	2022	NAVY		12	0	12	-	-	-	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0																													
1	2023	NAVY		8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	2	2	2	2	2	2	0																													
1.1.4) Engines/Eng Acc																																		0																										
Prior Years Deliveries: 1126																																		0																										
2	2016	NAVY		10	10	0																													0																									
2	2017	NAVY		24	24	0																													0																									
✓ 2	2017	NAVY		4	4	0																													0																									
2	2018	NAVY		48 <sup>(6)</sup>	48	0																												0																										
2	2019	NAVY		48	48	0																												0																										
2	2020	NAVY		48	48	0																												0																										
2	2021	NAVY		48 <sup>(7)</sup>	48	0																											0																											
2	2022	NAVY		24 <sup>(8)</sup>	24	0																											0																											
2	2023	NAVY		16	12	4	4																											0																										
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	BALANCE																													

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<b>Exhibit P-21, Production Schedule: PB 2024 Navy</b>								<b>Date: March 2023</b>				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0145 / FA-18E/F					<b>Item Number / Title [DODIC]:</b> 1 / 0145 F/A-18 E/F MYP				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing Co. - St. Louis, MO	24	48	72	0	3	28	31	0	0	0	0
2	General Electric Company - Lynn, MA	48	120	144	0	3	12	15	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

- (5) FY18 Lot 42 was procured in two separate buys. Eighteen (18) aircraft were procured in June 2018; the remaining six (6) aircraft were procured in March 2019. Break in delivery schedule in CY19-CY20 are planned to be mitigated by FMS deliveries. These deliveries will cover the gaps and maintain the production line without additional cost to the US government.
- (6) Due to contracting timelines, the FY18 engine procurement was executed in two separate contractual actions, and therefore, have two separate delivery schedules. The engine delivery schedule shows delivery of only 36 engines. The additional 12 FY18 engines will be delivered Oct - Dec CY20, at a rate of 4 per month. These deliveries cannot be displayed on the P-21 due to PDOCS system limitations. Breaks in delivery schedule in CY19 -CY20 are mitigated by FMS deliveries. These deliveries will cover the gaps and maintain the production line without additional cost to the US government
- (7) The delivery schedule for FY21 engine buy has experienced a delay in deliveries. This delay in schedule will permit GE to focus on providing F414 modules for the NAVSUP PBL contract without impacting the installation of F414 engines into F/A-18 aircraft in production at Boeing.
- (8) The delivery schedule for FY22 engine buy has experienced a delay in deliveries. This delay in schedule will permit GE to focus on providing F414 modules for the NAVSUP PBL contract without impacting the installation of F414 engines into F/A-18 aircraft in production at Boeing.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										<b>Date:</b> March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV								
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0204146N				Other Related Program Elements: 0204146M						
Line Item MDAP/MAIS Code: 198													
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
Procurement Quantity ( <i>Units in Each</i> )	143	15	19	19	-	19	19	19	18	15	102	369	
Gross/Weapon System Cost (\$ in Millions)	24,772.316	2,369.128	2,633.561	2,592.945	0.000	2,592.945	2,368.903	2,473.794	2,314.134	2,099.322	16,794.019	58,418.122	
Less PY Advance Procurement (\$ in Millions)	2,083.024	280.204	290.161	182.376	-	182.376	189.425	190.038	180.255	150.000	1,343.727	4,889.210	
Net Procurement (P-1) (\$ in Millions)	22,689.292	2,088.924	2,343.400	2,410.569	0.000	2,410.569	2,179.478	2,283.756	2,133.879	1,949.322	15,450.292	53,528.912	
Plus CY Advance Procurement (\$ in Millions)	2,467.694	185.695	182.376	189.425	-	189.425	190.038	180.255	150.000	150.000	1,193.727	4,889.210	
<b>Total Obligation Authority (\$ in Millions)</b>	<b>25,156.986</b>	<b>2,274.619</b>	<b>2,525.776</b>	<b>2,599.994</b>	<b>0.000</b>	<b>2,599.994</b>	<b>2,369.516</b>	<b>2,464.011</b>	<b>2,283.879</b>	<b>2,099.322</b>	<b>16,644.019</b>	<b>58,418.122</b>	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (\$ in Millions)	-	128.863	91.309	78.742	-	78.742	67.961	93.557	91.950	97.273	Continuing	Continuing	
Flyaway Unit Cost (\$ in Thousands)	147,447.972	135,129.000	113,803.316	116,919.263	-	116,919.263	113,984.579	115,214.263	116,314.556	118,594.600	144,361.127	136,715.225	
Gross/Weapon System Unit Cost (\$ in Thousands)	173,232.979	157,941.867	138,608.474	136,470.789	-	136,470.789	124,679.105	130,199.684	128,563.000	139,954.800	164,647.245	158,314.694	
<b>Description:</b>													
Joint Strike Fighter (JSF) program will enhance and field a family of aircraft that meets the needs of DoD and allies with three air vehicle aircraft variants including: the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing variant, and the F-35C Carrier Variant (CV) delivering commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DON) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35s are the next generation of strike fighters and provide increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and can employ superior weaponry over existing aircraft. The highly supportable, affordable, state of the art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to sole source air vehicle and propulsion contracts. DAF regular procurement commenced in FY07, DON regular procurement commenced in FY08.													
For the Marine Corps, this is a CMC Force Design program. The F-35C provides critical flexibility and operational maneuverability operating from conventional aircraft carriers or land bases. The Marine Corps currently has one F-35C operational squadron and will stand up another three squadrons across the FYDP.													
<b>Notes:</b>													
(1) FY10 and prior quantity and funding for F-35B and F-35C were reported under same Budget Line Item (BLI) 0147. Result is 29 F-35B aircraft (6 - FY08; 7 - FY09; and 16 - FY10) and 340 F-35C aircraft are included in the BLI 0147 budget. FY11 is the first year F-35B are reported under BLI 0152. Calendar Year Advance Procurement for FY10 F-35B aircraft was included in the FY10 F-35C budget. The Advance Procurement Credit for FY10 F-35B aircraft was included in the FY11 F-35B budget.													
(2) The F-35C Carrier Variant (CV) Initial Operational Capability (IOC) occurred in February 2019 and Full Rate Production (FRP) decision will occur after completion of Initial Operational Test and Evaluation (IOT&E).													
(3) Starting in PB22 FY22 and forward, Exhibit P-5, P-5a, P-21, and P-10 are separated into Joint Strike Fighter-CV USN and Joint Strike Fighter-CV USMC.													
(4) The FY23 appropriation bill restored a total of 19 Lot 15-17 F-35 aircraft that were risk due to multiple cost pressures and contract factors. For the F-35C, this included restoring seven aircraft; six Lot 15-16 aircraft that were reduced and one Lot 17 aircraft that was at risk. This restoral is reflected as a quantity plus up of +6 in FY23 since the one at risk Lot 17 aircraft was already accounted for in the original FY23 quantity amount.													

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						
ID Code (A=Service Ready, B=Not Service Ready): B		Program Elements for Code B Items: 0204146N			Other Related Program Elements: 0204146M					
<b>Line Item MDAP/MAIS Code:</b> 198										
Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / Joint Strike Fighter-CV USN	P-5a, P-21			143 / 24,772.316	12 / 1,746.697	13 / 1,929.717	15 / 2,070.366	- / 0.000	15 / 2,070.366
P-5	2 / Joint Strike Fighter-CV USMC	P-5a, P-21			- / 0.000	3 / 622.431	6 / 703.844	4 / 522.579	- / 0.000	4 / 522.579
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>143 / 24,772.316</b>	<b>15 / 2,369.128</b>	<b>19 / 2,633.561</b>	<b>19 / 2,592.945</b>	<b>- / 0.000</b>	<b>19 / 2,592.945</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

BASIS FOR FY 2024 BUDGET REQUEST: The FY 2024 budget provides funding for 19 F-35C Aircraft and associated non-recurring and ancillary mission equipment to support delivery. The budget request also supports the advanced procurement and support requirements required for squadron standup and associated training and logistical requirements.

Non-recurring flyaway costs for FY 2024 include costs for tooling required to support full production capacity for hardware associated with delivering Block 4 capabilities. Non-recurring also includes funding to address diminishing manufacturing sources (DMS) which include costs to manage DMS issues, procurement of bridge or life-of-type buys, and if cost-benefit analysis supports non-recurring engineering to implement DMS redesigns within the performance envelope to the production line. Other non-recurring costs include chase support for government acceptance flights, systems engineering for production line efforts and production readiness reviews to address program risks and cost reduction initiatives.

Support costs in FY 2024 include costs that are fixed in nature and costs that fluctuate based on site and squadron stand-ups. For F-35C, these costs include peculiar ground support equipment to support squadron and site stand-ups. FY 2024 support cost request includes equipment for additional aircraft quantity towards maximum Primary Authorized Aircraft (PAA) for CVN-78 and MCAS Cherry Point. Intermediate Level maintenance capability is also included in peculiar ground support equipment and this capability is specific to the Department of the Navy.

The Department will continue implementing the strategy to transition the Autonomic Logistics Information System (ALIS) to the F-35 Operational Data Integrated Network (ODIN), a modern F-35 logistics and information system. Hardware being procured is compatible with both ALIS and ODIN software.

Depot activation efforts continue in FY 2024 increasing repair capacity necessary for long-term sustainment of F-35 aircraft. FY 2024 request includes equipment and material to support establishment of depot repair capability and capacity for components/sub-components across all US Depots, support equipment for air vehicle modification dock expansion at Fleet Readiness Center Southeast, and Block 4 depot repair capability. FY 2024 includes funding for propulsion depot standup to include module repair activities to meet expanding fleet repair requirements.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy													<b>Date:</b> March 2023										
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV									<b>Item Number / Title [DODIC]:</b> 1 / Joint Strike Fighter-CV USN										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>										
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>								
Procurement Quantity ( <i>Units in Each</i> )							143			12			13			15	-	15					
Gross/Weapon System Cost (\$ in Millions)							24,772.316			1,746.697			1,929.717			2,070.366	0.000	2,070.366					
Less PY Advance Procurement (\$ in Millions)							2,083.024			220.413			228.150			236.130	-	236.130					
Net Procurement (P-1) (\$ in Millions)							22,689.292			1,526.284			1,701.567			1,834.236	0.000	1,834.236					
Plus CY Advance Procurement (\$ in Millions)							2,467.694			142.520			128.908			150.017	-	150.017					
<b>Total Obligation Authority</b> (\$ in Millions)				<b>25,156.986</b>			<b>1,668.804</b>			<b>1,830.475</b>			<b>1,984.253</b>			<b>0.000</b>	<b>1,984.253</b>						
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																							
Initial Spares (\$ in Millions)							-			-			-			-	-	-					
Gross/Weapon System Unit Cost (\$ in Thousands)							173,232.979			145,558.083			148,439.769			138,024.400			138,024.400				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>							
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)					
Flyaway Cost																							
Recurring Cost																							
1.1.1) Airframe/CFE <sup>(†)</sup> (1)	75,425.336	143	10,785.823	81,955.917	12	983.471	77,034.615	13	1,001.450	76,716.800	15	1,150.752	-	-	0.000	76,716.800	15	1,150.752					
1.1.2) CFE Electronics (2)	19,437.063	143	2,779.500	16,178.583	12	194.143	14,041.846	13	182.544	14,802.867	15	222.043	-	-	0.000	14,802.867	15	222.043					
1.1.3) Engines/Eng Acc <sup>(†) (3)</sup>	20,716.357	143	2,962.439	15,970.083	12	191.641	12,648.846	13	164.435	13,470.200	15	202.053	-	-	0.000	13,470.200	15	202.053					
1.1.4) Rec Flyaway ECO <sup>(4)</sup>	3,414.469	143	488.269	2,282.083	12	27.385	2,063.154	13	26.821	2,099.800	15	31.497	-	-	0.000	2,099.800	15	31.497					
<i>Subtotal: Recurring Cost</i>	-	-	<i>17,016.031</i>	-	-	<i>1,396.640</i>	-	-	<i>1,375.250</i>	-	-	<i>1,606.345</i>	-	-	<i>0.000</i>	-	-	<i>1,606.345</i>					
Non Recurring Cost																							
1.2.1) Non-Recur Cost <sup>(5)</sup>	-	-	3,324.963	-	-	70.122	-	-	89.158	-	-	95.958	-	-	0.000	-	-	95.958					
1.2.2) Ancillary Equip <sup>(6)</sup>	-	-	744.066	-	-	53.440	-	-	53.793	-	-	66.888	-	-	0.000	-	-	66.888					
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>4,069.029</i>	-	-	<i>123.562</i>	-	-	<i>142.951</i>	-	-	<i>162.846</i>	-	-	<i>0.000</i>	-	-	<i>162.846</i>					
<i>Subtotal: Flyaway Cost</i>	-	-	<i>21,085.060</i>	-	-	<i>1,520.202</i>	-	-	<i>1,518.201</i>	-	-	<i>1,769.191</i>	-	-	<i>0.000</i>	-	-	<i>1,769.191</i>					
Support Cost																							
2.1) Airframe PGSE <sup>(7)</sup>	-	-	532.441	-	-	24.203	-	-	44.556	-	-	28.548	-	-	0.000	-	-	28.548					
2.2) Engine PGSE <sup>(8)</sup>	-	-	265.396	-	-	1.124	-	-	5.016	-	-	1.614	-	-	0.000	-	-	1.614					

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Exhibit P-5, Cost Analysis: PB 2024 Navy												Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV								Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO										
	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)								
2.3) Avionics PGSE <sup>(9)</sup>	-	-	422.000	-	-	2.621	-	-	2.866	-	-	0.000	-	-	0.000								
2.4) Pec Trng Eq <sup>(10)</sup>	-	-	333.893	-	-	0.000	-	-	4.867	-	-	2.480	-	-	0.000								
2.5) Full Mission Simulators	-	-	47.575	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
2.6) ODIN / TECH DATA (Previously ALIS) <sup>(11)</sup>	-	-	161.978	-	-	5.296	-	-	0.631	-	-	5.999	-	-	0.000								
2.7) Other ILS <sup>(12)</sup>	-	-	701.666	-	-	18.879	-	-	28.122	-	-	31.009	-	-	31.009								
2.8) Prod Eng Supt <sup>(13)</sup>	-	-	774.238	-	-	12.308	-	-	12.761	-	-	21.009	-	-	21.009								
2.9) Fixed JPO Support <sup>(14)</sup>	-	-	0.000	-	-	29.806	-	-	31.475	-	-	40.040	-	-	40.040								
2.10) Misc Support	-	-	4.013	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
2.11) Depot Standup <sup>(15)</sup>	-	-	444.056	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
2.12) Depot Standup Software <sup>(16)</sup>	-	-	0.000	-	-	16.571	-	-	22.000	-	-	20.919	-	-	20.919								
2.13) Depot Standup Air Vehicle <sup>(17)</sup>	-	-	0.000	-	-	79.341	-	-	165.236	-	-	109.140	-	-	109.140								
2.14) Depot Standup Propulsion <sup>(18)</sup>	-	-	0.000	-	-	36.346	-	-	93.986	-	-	40.417	-	-	40.417								
<i>Subtotal: Support Cost</i>	-	-	<b>3,687.256</b>	-	-	<b>226.495</b>	-	-	<b>411.516</b>	-	-	<b>301.175</b>	-	-	<b>0.000</b>								
<b>Gross/Weapon System Cost</b>	<b>173,232.979</b>	<b>143</b>	<b>24,772.316</b>	<b>145,558.083</b>	<b>12</b>	<b>1,746.697</b>	<b>148,439.769</b>	<b>13</b>	<b>1,929.717</b>	<b>138,024.400</b>	<b>15</b>	<b>2,070.366</b>	<b>-</b>	<b>-</b>	<b>0.000</b>								
															<b>138,024.400</b>								
														<b>15</b>	<b>2,070.366</b>								

**Remarks:**

Flyaway Unit Cost differs between USN & USMC due to cost share ratio at the enterprise level for Nonrecurring costs (Tooling and DMS Redesign/Management). These production non-recurring costs are included in the PSFD MOU (FMPD Annex). These costs are shared among the US Services and International Partners. For the US Services, the USMC contributes through the F-35B budget and the USN contribute through the F-35C budget. This drives the difference in USMC and USN F-35C Flyaway Unit Cost.

(†) indicates the presence of a P-5a

**Footnotes:**

<sup>(1)</sup> Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.

<sup>(2)</sup> CFE Electronics (URF) price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.

<sup>(3)</sup> Engine price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profiles and inflationary pressures.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV	<b>Item Number / Title [DODIC]:</b> 1 / Joint Strike Fighter-CV USN		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>			
(4) ECO price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.				
(5) Non-recurring Costs include such items as USN share of Production Non-Recurring Tooling necessary to support and maintain planned production schedules. FY2024 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering, acceptance chase support, and technical assistance This cost element includes variable (aircraft qty driven) and fixed costs				
(6) Ancillary Equip: FY24 equipment to procure includes: Launcher Hardware Kit, bomb Rank, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, Pilots Flight Equipment, Helmet Mounted Display and Portable Memory Device. This cost element includes variable (aircraft qty driven) and fixed costs				
(7) Airframe PGSE: Costs support Site Support Equipment, and Regional Center Support Equipment, and Service Unique Requirements. FY24: CVN Ship Airframe PGSE (CVN-78)				
(8) Engine PGSE: Costs support Site Support Equipment, Propulsion Mini Modules, and Training Center Support Equipment Requirements. FY24: CVN Ship Engine PGSE (CVN-78).				
(9) Avionics PGSE: Costs support Site Support Equipment, and Service Unique requirements. FY24: CVN Ship Avionics PGSE (CVN-78)				
(10) FY24: Unique Training Equipment - Fielded devices WIN10 transition from WIN7 FY24 supports training device Block 4 integration.				
(11) ODIN/MPE/PUBS/TECH DATA: Costs support Autonomic Logistics Information System (ALIS)/Operational Data Integrated Network (ODIN) Equipment, Mission Planning Environment Equipment, site activation support. ODIN equipment includes ODIN Base Kits [OBKs] (formerly named Standard Operating Units [SOUs]) and peripherals. MPE equipment includes MPE Squadron Kits [MSKs] (formerly known as Mission Planning and Off Board Mission Support Modules). Year to year changes are influenced by the number of sites and squadrons. CVN-71 ALIS/ODIN squadron kit, OMS squadron kits for CVN-71, 72, 74.				
(12) FY24: Shared Maintenance Planning and Unique Site Activation Planning. CVN 70. 72.				
(13) Production Engineering Support is cost-shared with F-35 partners to ensures proper cost-sharing contribution to the enterprise wide requirement. Propulsion Administrative Labor.				
(14) Fixed JPO Support: Starting in FY2022, Fixed JPO Support is broken out into a separate cost element from Production Engineering Support. Fixed JPO support costs are cost shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.				
(15) Depot Standup: Starting in FY2022, Depot Standup is broken down in details in Depot Standup Software, Depot Standup Air Vehicle, and Depot Standup Propulsion.				
(16) Depot Standup Software: Shared SW depot activation (Hill AFB, Warner Robbins AFB, NAS China Lake, NAS Pt. Mugu).				
(17) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots.				
(18) Depot Standup Propulsion: Shared planning, activation, and capacity for Oklahoma City Air Logistics Center and Fleet Readiness Center East and Southeast.				

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2019	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Mar 2019	May 2022	15	71,546.400	Y		Jan 2018
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Mar 2020	Mar 2023	20	68,919.300	Y		Jan 2018
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Oct 2023	25	69,090.400	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Aug 2024	12	81,955.917	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Mar 2023	Feb 2025	13	77,034.615	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(†)</sup>		2024	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Jan 2024	Jan 2026	15	76,716.800	Y		Mar 2023
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2021	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	Jul 2023	25	12,757.520	Y		Mar 2020
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	May 2024	12	15,970.083	Y		Mar 2021
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Dec 2024	13	12,648.846	Y		Mar 2022
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2024	Jun 2025	15	13,470.200	Y		May 2023
<b>Advance Procurement</b>												
CFE- Airframe Long Lead: TR3, Bulkhead		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	9	11,945.111	Y		Jan 2020
CFE- Airframe Long Lead: TR3, Bulkhead		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Jun 2024	15	7,130.000	Y		Jan 2020
CFE- Airframe Long Lead: TR3, Bulkhead		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2023	Jun 2025	15	8,301.200	Y		Mar 2023
CFE- Airframe Long Lead: TR3, Bulkhead		2025	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2024	Jun 2026	15	8,301.200	Y		Mar 2023
CFE- Airframe Long Lead: TR3, Bulkhead		2026	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2025	Jun 2027	15	8,300.733	Y		Jan 2025
CFE- Airframe Long Lead: TR3, Bulkhead		2027	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2026	Jun 2028	15	8,300.067	Y		Jan 2026
CFE- Airframe Long Lead: TR3, Bulkhead		2028	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2027	Jun 2029	15	8,300.067	Y		Jan 2026
GFE-Engines Long Lead: Mount-Signal		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	18	2.278	Y		Mar 2021
GFE-Engines Long Lead: Mount-Signal		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	15	2.867	Y		Mar 2022
GFE-Engines Long Lead: Mount-Signal		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	15	2.933	Y		Mar 2023
GFE-Engines Long Lead: Mount-Signal		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	15	2.933	Y		Mar 2024

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Mount-Signal		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	15	2.933	Y		Mar 2025
GFE-Engines Long Lead: Mount-Signal		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	15	2.933	Y		Mar 2026
GFE-Engines Long Lead: Mount-Signal		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	15	2.933	Y		Mar 2026
GFE-Engines Long Lead: IDMS Ring, Forward		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	9	7.333	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Forward		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	15	4.267	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Forward		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	15	4.400	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Forward		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	15	4.400	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Forward		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	15	4.400	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Forward		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	15	4.400	Y		Mar 2026
GFE-Engines Long Lead: IDMS Ring, Forward		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	15	4.400	Y		Mar 2026
GFE-Engines Long Lead: IDMS Ring, Rear		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	9	6.778	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Rear		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	15	4.267	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Rear		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	15	4.400	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Rear		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	15	4.400	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Rear		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	15	4.400	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Rear		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	15	4.400	Y		Mar 2026
GFE-Engines Long Lead: IDMS Ring, Rear		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	15	4.400	Y		Mar 2026
GFE-Engines Long Lead: Advance Acquisition Contracts		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	19	1,834.000	Y		Mar 2021
GFE-Engines Long Lead: Advance Acquisition Contracts		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	15	1,452.467	Y		Mar 2022
GFE-Engines Long Lead: Advance Acquisition Contracts		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	15	1,688.200	Y		Mar 2023

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Advance Acquisition Contracts		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	15	1,688.200	Y		Mar 2024
GFE-Engines Long Lead: Advance Acquisition Contracts		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	15	1,688.200	Y		Mar 2025
GFE-Engines Long Lead: Advance Acquisition Contracts		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	15	1,688.200	Y		Mar 2026
GFE-Engines Long Lead: Advance Acquisition Contracts		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Oct 2027	Apr 2029	15	1,688.200	Y		Mar 2027

(†) indicates the presence of a P-21

**Footnotes:**

(19) F-35C production capacity is influenced by F-35B quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN																				
Cost Elements (Units in Each)							Fiscal Year 2019												Fiscal Year 2020																					
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE <sup>(1)</sup>																																								
Prior Years Deliveries: 83																																								
1	2019	NAVY	15	0	15																																		15	
1	2020	NAVY	20	0	20																																		20	
1	2021	NAVY	25	0	25																																		25	
1	2022	NAVY	12	0	12																																		12	
1	2023	NAVY	13	0	13																																		13	
1	2024	NAVY	15	0	15																																		15	
1.1.3) Engines/Eng Acc <sup>(3)</sup>																																								
Prior Years Deliveries: 118																																								
2	2021	NAVY	25	0	25																																		25	
2	2022	NAVY	12	0	12																																		12	
2	2023	NAVY	13	0	13																																		13	
2	2024	NAVY	15	0	15																																		15	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity:								P-1 Line Item Number / Title:											Item Number / Title [DODIC]:													
1506N / 01 / 1								0147 / Joint Strike Fighter CV											1 / Joint Strike Fighter-CV USN													
Cost Elements (Units in Each)										Fiscal Year 2021										Fiscal Year 2022												
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021										Calendar Year 2022										B A L A N C E					
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1.1.1) Airframe/CFE <sup>(1)</sup>																																
Prior Years Deliveries: 83																																
1	2019	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	1	2	-	8		
1	2020	NAVY	20	0	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20		
1	2021	NAVY	25	0	25																											25
1	2022	NAVY	12	0	12																											12
1	2023	NAVY	13	0	13																											13
1	2024	NAVY	15	0	15																											15
1.1.3) Engines/Eng Acc <sup>(3)</sup>																																
Prior Years Deliveries: 118																																
2	2021	NAVY	25	0	25																											25
2	2022	NAVY	12	0	12																											12
2	2023	NAVY	13	0	13																											13
2	2024	NAVY	15	0	15																											15
								O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity:								P-1 Line Item Number / Title:											Item Number / Title [DODIC]:														
1506N / 01 / 1								0147 / Joint Strike Fighter CV											1 / Joint Strike Fighter-CV USN														
Cost Elements (Units in Each)										Fiscal Year 2023										Fiscal Year 2024													
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023										Calendar Year 2024										B A L A N C E						
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
1.1.1) Airframe/CFE <sup>(1)</sup>																																	
Prior Years Deliveries: 83																																	
1	2019	NAVY	15	7	8	2	1	2	2	1																					0		
1	2020	NAVY	20	0	20	-	-	-	-	-	1	3	2	3	1	3	2	4	1										0				
1	2021	NAVY	25	0	25						A -	-	-	-	-	-	-	-	1	3	3	3	3	2	3	2	3	2	0				
1	2022	NAVY	12	0	12						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	8			
1	2023	NAVY	13	0	13						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13				
1	2024	NAVY	15	0	15																										15		
1.1.3) Engines/Eng Acc <sup>(3)</sup>																														0			
Prior Years Deliveries: 118																														0			
2	2021	NAVY	25	0	25						A -	-	-	-	-	-	3	2	3	4	2	3	2	3	3						0		
2	2022	NAVY	12	0	12						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	7		
2	2023	NAVY	13	0	13						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13			
2	2024	NAVY	15	0	15																										15		
										O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN																				
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026																					
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE <sup>(1)</sup>							Calendar Year 2025												Calendar Year 2026																					
Prior Years Deliveries: 83							1	2019	NAVY	15	15	0																								0				
1	2020	NAVY		20	20	0																														0				
1	2021	NAVY		25	25	0																														0				
1	2022	NAVY		12	4	8	1	2	1	3	1																							0						
1	2023	NAVY		13	0	13	-	-	-	-	1	1	1	1	2	1	-	2	1	2	1											0								
1	2024	NAVY		15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	2	2	-	2	-	2	-	2							
1.1.3) Engines/Eng Acc <sup>(3)</sup>							Prior Years Deliveries: 118																							0										
2	2021	NAVY		25	25	0																														0				
2	2022	NAVY		12	5	7	2	2	1	1	1																							0						
2	2023	NAVY		13	0	13	-	-	1	1	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1	2	1	2	2	3	0									
2	2024	NAVY		15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	2	1	2	2	3	0									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN											
Cost Elements (Units in Each)							Fiscal Year 2027												Fiscal Year 2028												
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E	
1.1.1) Airframe/CFE <sup>(1)</sup>																															
Prior Years Deliveries: 83																															
1	2019	NAVY	15	15	0																										0
1	2020	NAVY	20	20	0	0																									
1	2021	NAVY	25	25	0	0																									
1	2022	NAVY	12	12	0	0																									
1	2023	NAVY	13	13	0	0																									
1	2024	NAVY	15	13	2	-	2	0																							
1.1.3) Engines/Eng Acc <sup>(3)</sup>																															
Prior Years Deliveries: 118																															
2	2021	NAVY	25	25	0																										0
2	2022	NAVY	12	12	0	0																									
2	2023	NAVY	13	13	0	0																									
2	2024	NAVY	15	15	0	0																									
O C T	N O V	D E C	J A N	F E B	M A R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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Exhibit P-21, Production Schedule: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						Item Number / Title [DODIC]: 1 / Joint Strike Fighter-CV USN			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LOCKHEED MARTIN <sup>(19)</sup> - FT WORTH	24	24	30	8	6	24	30	8	4	24	28
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	24	24	30	8	4	17	21	6	4	17	21

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

<sup>(19)</sup> F-35C production capacity is influenced by F-35B quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy													<b>Date:</b> March 2023						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV										<b>Item Number / Title [DODIC]:</b> 2 / Joint Strike Fighter-CV USMC						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity ( <i>Units in Each</i> )				-			3		6		4		-		4				
Gross/Weapon System Cost (\$ in Millions)				0.000			622.431		703.844		522.579		0.000		522.579				
Less PY Advance Procurement (\$ in Millions)				-			59.791		62.011		53.468		-		53.468				
Net Procurement (P-1) (\$ in Millions)				0.000			562.640		641.833		469.111		0.000		469.111				
Plus CY Advance Procurement (\$ in Millions)				-			43.175		53.468		39.408		-		39.408				
<b>Total Obligation Authority</b> (\$ in Millions)				<b>0.000</b>			<b>605.815</b>		<b>695.301</b>		<b>508.519</b>		<b>0.000</b>		<b>508.519</b>				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)				-			-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)				-			207,477.000		117,307.333		130,644.750		-		130,644.750				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Flyaway Cost																			
Recurring Cost																			
1.1.1) Airframe/CFE <sup>(†)</sup> (20)	-	-	0.000	109,274.667	3	327.824	73,866.667	6	443.200	76,716.750	4	306.867	-	-	0.000	76,716.750	4	306.867	
1.1.2) CFE Electronics (21)	-	-	0.000	21,571.333	3	64.714	13,438.500	6	80.631	14,803.000	4	59.212	-	-	0.000	14,803.000	4	59.212	
1.1.3) Engines / Eng Acc <sup>(†) (22)</sup>	-	-	0.000	21,293.333	3	63.880	12,647.000	6	75.882	13,470.250	4	53.881	-	-	0.000	13,470.250	4	53.881	
1.1.4) Rec Flyaway ECO <sup>(23)</sup>	-	-	0.000	3,042.667	3	9.128	2,003.333	6	12.020	2,099.750	4	8.399	-	-	0.000	2,099.750	4	8.399	
<i>Subtotal: Recurring Cost</i>	-	-	<b>0.000</b>	-	-	<b>465.546</b>	-	-	<b>611.733</b>	-	-	<b>428.359</b>	-	-	<b>0.000</b>	-	-	<b>428.359</b>	
Non Recurring Cost																			
1.2.1) Non-Recur Cost (24)	-	-	0.000	-	-	23.374	-	-	5.145	-	-	6.080	-	-	0.000	-	-	6.080	
1.2.2) Ancillary Equip (25)	-	-	0.000	-	-	17.813	-	-	27.184	-	-	17.836	-	-	0.000	-	-	17.836	
<i>Subtotal: Non Recurring Cost</i>	-	-	<b>0.000</b>	-	-	<b>41.187</b>	-	-	<b>32.329</b>	-	-	<b>23.916</b>	-	-	<b>0.000</b>	-	-	<b>23.916</b>	
<i>Subtotal: Flyaway Cost</i>	-	-	<b>0.000</b>	-	-	<b>506.733</b>	-	-	<b>644.062</b>	-	-	<b>452.275</b>	-	-	<b>0.000</b>	-	-	<b>452.275</b>	
Support Cost																			
2.1) Airframe PGSE <sup>(26)</sup>	-	-	0.000	-	-	32.737	-	-	6.588	-	-	21.743	-	-	0.000	-	-	21.743	
2.2) Engine PGSE <sup>(27)</sup>	-	-	0.000	-	-	1.894	-	-	0.000	-	-	1.480	-	-	0.000	-	-	1.480	

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV								<b>Item Number / Title [DODIC]:</b> 2 / Joint Strike Fighter-CV USMC													
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>													
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>									
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>							
2.3) Avionics PGSE <sup>(28)</sup>	-	-	0.000	-	-	3.718	-	-	0.529	-	-	3.064	-	-	0.000	-	-	3.064							
2.4) Pec Trng Eq <sup>(29)</sup>	-	-	0.000	-	-	0.000	-	-	1.453	-	-	0.817	-	-	0.000	-	-	0.817							
2.6) ODIN / TECH DATA (Previously ALIS)	-	-	0.000	-	-	4.703	-	-	5.067	-	-	0.000	-	-	0.000	-	-	0.000							
2.7) Other ILS <sup>(30)</sup>	-	-	0.000	-	-	4.461	-	-	4.732	-	-	4.790	-	-	0.000	-	-	4.790							
2.8) Prod Eng Supt <sup>(31)</sup>	-	-	0.000	-	-	3.660	-	-	2.827	-	-	6.035	-	-	0.000	-	-	6.035							
2.9) Fixed JPO Support <sup>(32)</sup>	-	-	0.000	-	-	11.059	-	-	4.357	-	-	4.976	-	-	0.000	-	-	4.976							
2.11) Depot Standup Software <sup>(33)</sup>	-	-	0.000	-	-	3.711	-	-	3.520	-	-	3.289	-	-	0.000	-	-	3.289							
2.12) Depot Standup Air Vehicle <sup>(34)</sup>	-	-	0.000	-	-	24.733	-	-	12.406	-	-	17.759	-	-	0.000	-	-	17.759							
2.13) Depot Standup Propulsion <sup>(35)</sup>	-	-	0.000	-	-	25.022	-	-	18.303	-	-	6.351	-	-	0.000	-	-	6.351							
<i>Subtotal: Support Cost</i>	-	-	<b>0.000</b>	-	-	<b>115.698</b>	-	-	<b>59.782</b>	-	-	<b>70.304</b>	-	-	<b>0.000</b>	-	-	<b>70.304</b>							
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	<b>207,477.000</b>	<b>3</b>	<b>622.431</b>	<b>117,307.333</b>	<b>6</b>	<b>703.844</b>	<b>130,644.750</b>	<b>4</b>	<b>522.579</b>	-	-	<b>0.000</b>	<b>130,644.750</b>	<b>4</b>	<b>522.579</b>							

**Remarks:**

Flyaway Unit Cost differs between USN & USMC due to cost share ratio at the enterprise level for Nonrecurring costs (Tooling and DMS Redesign/Management). These production non-recurring costs are included in the PSFD MOU (FMPD Annex). These costs are shared among the US Services and International Partners. For the US Services, the USMC contributes through the F-35B budget and the USN contribute through the F-35C budget. This drives the difference in USMC and USN F-35C Flyaway Unit Cost.

(†) indicates the presence of a P-5a

**Footnotes:**

(20) Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.

(21) CFE Electronics (URF) price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.

(22) Engine price is directly affected by a number of cost pressures including United States Air Force (USAF) and Department of the Navy (DON) quantity profiles and inflationary pressures.

(23) ECO price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV	<b>Item Number / Title [DODIC]:</b> 2 / Joint Strike Fighter-CV USMC		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>			
(24) Non-recurring Costs include such items as USMC share of Production Non-Recurring Tooling necessary to support and maintain planned production schedules. FY2024 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering, acceptance chase support, and technical assistance This cost element includes variable (aircraft qty driven) and fixed costs.				
(25) Ancillary Equip: FY24 equipment to procure includes: Launcher Hardware Kit, bomb Rack, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, Pilots Flight Equipment, Helmet Mounted Display and Portable Memory Device. This cost element includes variable (aircraft qty driven) and fixed costs.				
(26) FY24: Airframe PGSE: Additional Aircraft Arrival (MCAS Cherry Point)				
(27) FY24: Additional Aircraft Arrival (MCAS Cherry Point).				
(28) FY24: Additional Aircraft Arrival (MCAS Cherry Point)				
(29) FY24: Unique Training Equipment - Fielded devices WIN10 transition from WIN7 FY24 supports training device Block 4 integration.				
(30) FY24: Shared Maintenance Planning and Unique Site Activation Planning.				
(31) Production Engineering Support is cost-shared with F-35 partners to ensures proper cost-sharing contribution to the enterprise wide requirement. Propulsion Administrative Labor.				
(32) Fixed JPO Support: Starting in FY2022, Fixed JPO Support is broken out into a separate cost element from Production Engineering Support. Fixed JPO support costs are cost shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.				
(33) Depot Standup Software: Shared SW depot activation (Hill AFB, Warner Robbins AFB, NAS China Lake, NAS Pt. Mugu)				
(34) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots.				
(35) Depot Standup Propulsion: Shared planning, activation, and capacity for Oklahoma City Air Logistics Center and Fleet Readiness Center East and Southeast.				

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(t)</sup>		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Oct 2024	3	109,274.667	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(t)</sup>		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2023	Mar 2025	6	73,866.667	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(t)</sup>		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Jan 2024	Jan 2026	4	76,716.750	Y		Mar 2023
1.1.3) Engines / Eng Acc <sup>(t)</sup>		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	Dec 2023	3	21,293.333	Y		Mar 2021
1.1.3) Engines / Eng Acc <sup>(t)</sup>		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Aug 2024	6	12,647.000	Y		Mar 2022
1.1.3) Engines / Eng Acc <sup>(t)</sup>		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2024	Jun 2025	4	13,470.250	Y		May 2023
<b>Advance Procurement</b>												
CFE-Airframe Long Lead: TR3, Bulkhead.		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Sep 2022	Aug 2024	4	8,958.500	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead.		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Jun 2024	4	11,095.000	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead.		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2023	Jun 2025	4	8,180.750	Y		Jan 2023
CFE-Airframe Long Lead: TR3, Bulkhead.		2025	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2024	Jun 2026	4	8,308.000	Y		Jan 2024
CFE-Airframe Long Lead: TR3, Bulkhead.		2026	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2025	Jun 2027	3	8,370.667	Y		Jan 2025
GFE-Engines Long Lead: Mount-Signal		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	May 2022	Aug 2023	4	3.500	Y		Mar 2021
GFE-Engines Long Lead: Mount-Signal		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	4	2.750	Y		Mar 2022
GFE-Engines Long Lead: Mount-Signal		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	4	3.000	Y		Mar 2023
GFE-Engines Long Lead: Mount-Signal		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	4	3.000	Y		Mar 2024
GFE-Engines Long Lead: Mount-Signal		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	3	4.000	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Forward		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	4	5.500	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Forward		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	4	4.250	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Forward		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	4	4.250	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Forward		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	4	4.500	Y		Mar 2024

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV					Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: IDMS Ring, Forward		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	3	4.333	Y		Mar 2025
GFE-Engines Long Lead: IDMS Ring, Rear		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	4	5.000	Y		Mar 2021
GFE-Engines Long Lead: IDMS Ring, Rear		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	4	4.250	Y		Mar 2022
GFE-Engines Long Lead: IDMS Ring, Rear		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	4	4.250	Y		Mar 2023
GFE-Engines Long Lead: IDMS Ring, Rear		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	4	0.018	Y		Mar 2024
GFE-Engines Long Lead: IDMS Ring, Rear		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	3	0.013	Y		Mar 2025
GFE-Engines Long Lead: Advance Acquisition Contracts		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	4	1,821.250	Y		Mar 2021
GFE-Engines Long Lead: Advance Acquisition Contracts		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Sep 2024	4	2,260.750	Y		Mar 2022
GFE-Engines Long Lead: Advance Acquisition Contracts		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	4	1,659.750	Y		Mar 2023
GFE-Engines Long Lead: Advance Acquisition Contracts		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	4	1,689.750	Y		Mar 2024
GFE-Engines Long Lead: Advance Acquisition Contracts		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	3	1,702.667	Y		Mar 2025

(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC																			
Cost Elements (Units in Each)						Fiscal Year 2023												Fiscal Year 2024																					
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE <sup>(20)</sup>						Calendar Year 2023												Calendar Year 2024																					
1	2022	NAVY	3	0	3				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
1	2023	NAVY	6	0	6				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					
1	2024	NAVY	4	0	4																																4		
1.1.3) Engines / Eng Acc <sup>(22)</sup>						A -												1																					
2	2022	NAVY	3	0	3				A -	-	-	-	-	-	-	-	-	-	-	-	1	1	1											0					
2	2023	NAVY	6	0	6				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4						
2	2024	NAVY	4	0	4																																4		
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV										Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC																			
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026											B A L A N C E									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
O C R O #	FY					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.1.1) Airframe/CFE <sup>(20)</sup>																														0									
1	2022	NAVY	3	0	3	1	-	1	-	1	2	2	-	-	-	-	1	-	-	-	1	2	-	-	2	0													
1	2023	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0														
1	2024	NAVY	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0														
1.1.3) Engines / Eng Acc <sup>(22)</sup>																														0									
2	2022	NAVY	3	3	0	1	1	2	-	-	-	-	-	-	-	1	1	1	1	1	2	-	-	-	2	0													
2	2023	NAVY	6	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0														
2	2024	NAVY	4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0														
O C R O #	FY					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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Exhibit P-21, Production Schedule: PB 2024 Navy										Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0147 / Joint Strike Fighter CV						Item Number / Title [DODIC]: 2 / Joint Strike Fighter-CV USMC							
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)												
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder								
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1					
1	LOCKHEED MARTIN - FT WORTH	24	24	30	8	6	24	30	8	4	24	28					
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	24	24	30	8	4	17	21	6	4	17	21					

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV												
<b>Program Elements for Code B Items:</b> 0204146N					<b>Other Related Program Elements:</b> 0204146M												
<b>Line Item MDAP/MAIS Code:</b> 198																	
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>					
Gross/Weapon System Cost (\$ in Millions)	2,467.694	185.695	182.376	189.425	-	189.425	190.038	180.255	150.000	150.000	1,193.727	4,889.210					
Net Procurement (P-1) (\$ in Millions)	2,467.694	185.695	182.376	189.425	-	189.425	190.038	180.255	150.000	150.000	1,193.727	4,889.210					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,467.694</b>	<b>185.695</b>	<b>182.376</b>	<b>189.425</b>	<b>-</b>	<b>189.425</b>	<b>190.038</b>	<b>180.255</b>	<b>150.000</b>	<b>150.000</b>	<b>1,193.727</b>	<b>4,889.210</b>					

**Description:**

Joint Strike Fighter (JSF) program is developing and fielding a family of aircraft that meets the needs of DoD and allies, with the F-35A Conventional Take Off and Landing (CTOL) variant, F-35B Short Take-Off and Vertical Landing (STOVL) variant and F-35C Carrier Variant (CV). The aircraft will have optimum commonality among three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between Department of Navy (DON) and Department of Air Force (DAF) and currently resides with the Navy. The F-35 is next generation of strike fighters to command and maintain global air superiority. Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2025 JSF aircraft buy.

**Notes:**

(1) Prior to FY2011, F-35B was reported against Budget Line Item 0147. The F-35B now reports under Budget Line Item 0152. CY Advance Procurement for FY2010 F-35B aircraft was included in the FY2010 F-35C budget. The Advance Procurement Credit for FY2010 F-35B aircraft was included in the FY2011 F-35B budget

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>						<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV		
<b>Program Elements for Code B Items:</b> 0204146N				<b>Other Related Program Elements:</b> 0204146M		
<b>Line Item MDAP/MAIS Code:</b> 198						
<b>Exhibits Schedule</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-10	1 / Joint Strike Fighter-CV USN			143 / 2,467.694	12 / 142.520	13 / 128.908
P-10	2 / Joint Strike Fighter-CV USMC			- / -	3 / 43.175	6 / 53.468
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>			<b>143 / 2,467.694</b>	<b>15 / 185.695</b>	<b>19 / 182.376</b>
*Title represents the P-10 Title for Advance Procurement.						
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.						
<b>Justification:</b> The FY2024 budget requests Advance Procurement for FY2025 long lead materials necessary to protect the Lot 19 delivery schedule.  Full funding for every end item requesting advance procurement is included in the budget submission.						

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-5 Number / Title:</b> 1 / Joint Strike Fighter-CV USN	
<b>First System (2024) Award Date:</b> March 2024	<b>First System (2024) Completion Date:</b> January 2026			<b>Interval Between Systems:</b> 1 Months	
Joint Strike Fighter-CV USN	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	
Quantity		143	12	13	
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
CFE - Airframe Long Lead	0	1,927.057	-	-	-
CFE- Airframe Long Lead: TR3, Bulkhead (1) (†)	18	-	107.506	106.950	124.518
For FY21 Economic Order Quantity (Lot 15)	0	98.077	-	-	-
For FY22 Economic Order Quantity (Lot 16)	0	90.084	-	-	-
For FY23 Economic Order Quantity (Lot 17)	0	86.939	-	-	-
<i>Total: CFE</i>		2,202.157	107.506	106.950	124.518
<b>GFE</b>					
GFE - Engines Long Lead (2)	0	265.537	-	-	-
GFE-Engines Long Lead: Mount-Signal (†)	23	-	0.041	0.043	0.044
GFE-Engines Long Lead: IDMS Ring, Forward (†)	23	-	0.066	0.064	0.066
GFE-Engines Long Lead: IDMS Ring, Rear (†)	23	-	0.061	0.064	0.066
GFE-Engines Long Lead: Advance Acquisition Contracts (3) (†)	23	-	34.846	21.787	25.323
<i>Total: GFE</i>		265.537	35.014	21.958	25.499
<b>Total Advance Procurement/Obligation Authority</b>		<b>2,467.694</b>	<b>142.520</b>	<b>128.908</b>	<b>150.017</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>					<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV			<b>P-5 Number / Title:</b> 1 / Joint Strike Fighter-CV USN	
<b>FY 2024</b>					
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>
<b>CFE</b>					
CFE - Airframe Long Lead	0				
CFE- Airframe Long Lead: TR3, Bulkhead (1) (t)	1	18	8,301.200	Dec 2023	15
For FY21 Economic Order Quantity (Lot 15)	0				
For FY22 Economic Order Quantity (Lot 16)	0				
For FY23 Economic Order Quantity (Lot 17)	0				
<b>Total: CFE</b>					<b>124.518</b>
<b>GFE</b>					
GFE - Engines Long Lead (2)	1				
GFE-Engines Long Lead: Mount-Signal (t)	2	18	2.933	Feb 2024	15
GFE-Engines Long Lead: IDMS Ring, Forward (t)	1	18	4.400	Feb 2024	15
GFE-Engines Long Lead: IDMS Ring, Rear (t)	1	18	4.400	Feb 2024	15
GFE-Engines Long Lead: Advance Acquisition Contracts (3) (t)	1	18	1,688.200	Feb 2024	15
<b>Total: GFE</b>					<b>25.499</b>
<b>Total Advance Procurement/Obligation Authority</b>					<b>150.017</b>
<b>Description:</b> Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2025 JSF aircraft buy. Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft.					
(t) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.					
<b>Footnotes:</b>					
(1) CFE-Airframe Long Lead: AP funding will be used towards the following Air Vehicle suppliers/systems based on the lead time associated with the material(s): TR3 Components (Integrated Core Processor, Aircraft Memory System, Panoramic Cockpit Display); Bulkhead forgings; Collins Landing Gear; BAE Electronic Warfare components; IAI Outer Wing Box; BAE Aft Fuselage components; Northrop Grumman Center Fuselage, Communication, Navigation & Identification (CNI), and Radar components; ATK Wing Skins; Curtiss-Wright Controls LEFDS; Ball Aerospace CNI Integrated Body Apertures; Heroux-Devtek FODUS; Fokker Flaperons; Arkwin Industries Actuators; and Leonardo Wing.					
(2) GFE-Engines Long Lead: starting in FY22, this is broken down into more details.					
(3) GFE-Engines Long Lead: Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. AP funding will be used towards the following Propulsion suppliers/systems based on lead time associated with material(s): Engine Hardware (High Pressure Turbine (HPT), Low Pressure Turbine (LPT), Turbine Exhaust, Compressor Rotors and Stators, Nozzle, Liners and Seals) and Collins Inlet Debris Monitor Signal Conditioning Units (IDMS SCUs).					

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-5 Number / Title:</b> 2 / Joint Strike Fighter-CV USMC	
<b>First System (2024) Award Date:</b> March 2024	<b>First System (2024) Completion Date:</b> January 2026		<b>Interval Between Systems:</b> 1 Months		
Joint Strike Fighter-CV USMC	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity		-	3	6	4
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
CFE-Airframe Long Lead: TR3, Bulkhead. (†)	18	-	35.834	44.380	32.723
<i>Total: CFE</i>		-	35.834	44.380	32.723
<b>GFE</b>					
GFE-Engines Long Lead: Mount-Signal (†)	23	-	0.014	0.011	0.012
GFE-Engines Long Lead: IDMS Ring, Forward (†)	23	-	0.022	0.017	0.017
GFE-Engines Long Lead: IDMS Ring, Rear (†)	23	-	0.020	0.017	0.017
GFE-Engines Long Lead: Advance Acquisition Contracts (4) (†)	23	-	7.285	9.043	6.639
<i>Total: GFE</i>		-	7.341	9.088	6.685
<b>Total Advance Procurement/Obligation Authority</b>		-	<b>43.175</b>	<b>53.468</b>	<b>39.408</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>					<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0147 / Joint Strike Fighter CV				<b>P-5 Number / Title:</b> 2 / Joint Strike Fighter-CV USMC
<b>FY 2024</b>					
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>
<b>CFE</b>					
CFE-Airframe Long Lead: TR3, Bulkhead. (†)	0	18	8,180.750	Dec 2023	4
<b>Total: CFE</b>					32.723
<b>GFE</b>					
GFE-Engines Long Lead: Mount-Signal (†)	2	18	3.000	Feb 2024	4
GFE-Engines Long Lead: IDMS Ring, Forward (†)	1	18	4.250	Feb 2024	4
GFE-Engines Long Lead: IDMS Ring, Rear (†)	1	18	4.250	Feb 2024	4
GFE-Engines Long Lead: Advance Acquisition Contracts <sup>(4)</sup> (†)	1	18	1,659.750	Feb 2024	4
<b>Total: GFE</b>					6.685
<b>Total Advance Procurement/Obligation Authority</b>					<b>39.408</b>

**Description:**  
Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of FY2025 JSF aircraft buy.

Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft.

(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

**Footnotes:**

<sup>(4)</sup> GFE-Engines Long Lead: Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. AP funding will be used towards the following Propulsion suppliers/systems based on lead time associated with material(s): Engine Hardware (High Pressure Turbine (HPT), Low Pressure Turbine (LPT), Turbine Exhaust, Compressor Rotors and Stators, Nozzle, Liners and Seals) and Collins Inlet Debris Monitor Signal Conditioning Units (IDMS SCUs).

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0152 / JSF STOVL								
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0204146M				Other Related Program Elements: 0204146N						
<b>Line Item MDAP/MAIS Code:</b> 198													
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
Procurement Quantity ( <i>Units in Each</i> )	129	17	15	16	-	16	16	16	17	20	78	324	
Gross/Weapon System Cost (\$ in Millions)	19,926.130	2,450.068	2,199.491	2,326.435	0.000	2,326.435	2,382.391	2,202.629	2,316.897	2,698.683	12,623.708	49,126.432	
Less PY Advance Procurement (\$ in Millions)	2,300.474	260.785	301.314	200.118	-	200.118	193.125	196.547	210.643	258.086	1,332.328	5,253.420	
Net Procurement (P-1) (\$ in Millions)	17,625.656	2,189.283	1,898.177	2,126.317	0.000	2,126.317	2,189.266	2,006.082	2,106.254	2,440.597	11,291.380	43,873.012	
Plus CY Advance Procurement (\$ in Millions)	2,645.759	216.814	200.118	193.125	-	193.125	196.547	210.643	258.086	272.707	1,059.621	5,253.420	
<b>Total Obligation Authority (\$ in Millions)</b>	<b>20,271.415</b>	<b>2,406.097</b>	<b>2,098.295</b>	<b>2,319.442</b>	<b>0.000</b>	<b>2,319.442</b>	<b>2,385.813</b>	<b>2,216.725</b>	<b>2,364.340</b>	<b>2,713.304</b>	<b>12,351.001</b>	<b>49,126.432</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	197.028	137.951	92.716	-	92.716	112.837	65.834	41.261	110.543	6,726.396	7,484.566	
Flyaway Unit Cost (\$ in Thousands)	129,863.465	111,859.941	119,578.667	123,468.500	-	123,468.500	123,105.563	125,042.625	125,346.471	124,939.350	147,059.974	131,154.037	
Gross/Weapon System Unit Cost (\$ in Thousands)	154,466.124	144,121.647	146,632.733	145,402.188	-	145,402.188	148,899.438	137,664.313	136,288.059	134,934.150	161,842.410	151,624.790	

**Description:**

This is a CMC Force Design program.

Joint Strike Fighter (JSF) program will enhance and field a family of aircraft that meets the needs of DoD and allies with three aircraft variants including: the F-35A Conventional Take Off and Landing (CTOL) variant, the F-35B Short Take-Off and Vertical Landing variant, and the F-35C Carrier Variant (CV) delivering commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DON) and the Department of the Air Force (DAF) and currently resides with the Navy. The F-35s are the next generation of strike fighters and provide increased aero-performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting incorporates the latest technology available. The F-35 has increased range with internal fuel and can employ superior weaponry over existing aircraft. The highly supportable, affordable, state of the art aircraft commands and maintains global air superiority. The production cost and quantities are interdependent due to sole source air vehicle and propulsion contracts. DAF regular procurement commenced in FY07, DON regular procurement commenced in FY08.

For the Marine Corps, the F-35B combines precision weapons and multi-spectral sensors with the expeditionary responsiveness of a Short Takeoff and Vertical Landing (STOVL) fighter-attack platform. The Marine Corps currently has six F-35B operational squadrons and will stand up an additional seven squadrons across the FYDP.

**Notes:**

(1) FY 2010 and prior quantity and funding for F-35B and F-35C were reported under same Budget Line Item 0147. Result is 29 F-35B aircraft (6 - FY08; 7 - FY09; and 16 - FY10) are included in the BLI 0147 Prior Year Column for a total of 353 F-35B aircraft (29-BLI 0147, 324-BLI 0152). The F-35C budget continues to report under BLI 0147.

(2) Initial Operational Capability (IOC) occurred in July 2015 and Full Rate Production (FRP) decision will occur after completion of Initial Operational Test and Evaluation (IOT&E).

(3) The FY23 appropriation bill restored a total of 19 Lot 15-17 F-35 aircraft that were risk due to multiple cost pressures and contract factors. For the F-35B, this included restoring one Lot 17 aircraft that was at risk. This restoral is reflected as a quantity plus up of zero in FY23 since the one at risk Lot 17 aircraft was already accounted for in the original FY23 quantity amount.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				P-1 Line Item Number / Title: 0152 / JSF STOVL						
ID Code (A=Service Ready, B=Not Service Ready): B		Program Elements for Code B Items: 0204146M			Other Related Program Elements: 0204146N					
<b>Line Item MDAP/MAIS Code:</b> 198										
Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / Joint Strike Fighter - STOVL	P-5a, P-21			129 / 19,926.130	17 / 2,450.068	15 / 2,199.491	16 / 2,326.435	- / 0.000	16 / 2,326.435
P-40	Total Gross/Weapon System Cost				129 / 19,926.130	17 / 2,450.068	15 / 2,199.491	16 / 2,326.435	- / 0.000	16 / 2,326.435

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

BASIS FOR FY 2024 BUDGET REQUEST: The FY 2024 budget provides funding for 16 F-35B Aircraft and associated non-recurring and ancillary mission equipment to support delivery. The budget request also supports the advanced procurement and support requirements for squadron standup and associated training and logistical requirements.

Non-recurring flyaway costs for FY 2024 include costs for tooling required to support full production capacity for hardware associated with delivering Block 4 capabilities. Non-recurring includes funding to address diminishing manufacturing sources (DMS) which include costs to manage DMS issues, procurement of bridge or life-of-type buys, and if cost-benefit analysis supports non-recurring engineering to implement DMS redesigns within the performance envelope to the production line. Other non-recurring costs include but are not limited to chase support for government acceptance flights, systems engineering for production line efforts and production readiness reviews to address program risks and cost reduction initiatives.

Support costs in FY 2024 include costs that are fixed in nature and costs that fluctuate based on site and squadron stand-ups. Support cost supports the procurement of airframe, engine, and avionics peculiar ground support equipment (PGSE) to support squadron and site stand-ups. This PGSE is associated with the stand-up of the first Marine Corps operational squadron at MCAS Cherry Point, the procurement of the MCAS Iwakuni Unit Deployment Program PGSE package #4. Intermediate Level maintenance capability is also included in PGSE and this capability is specific to the Department of the Navy.

The Department will continue implementing the strategy to transition the Autonomic Logistics Information System (ALIS) to the F-35 Operational Data Integrated Network (ODIN), a modern F-35 logistics and information system. Hardware being procured is compatible with both ALIS and ODIN software.

Depot activation efforts continue in FY 2024 increasing repair capacity necessary for long-term sustainment of F-35 aircraft. FY 2024 request includes equipment and material to support establishment of depot repair capability and capacity for components/sub-components across all US Depots, support equipment for air vehicle modification dock expansion at Fleet Readiness Center Southeast, and Block 4 depot repair capability. FY 2024 includes funding for propulsion depot standup to include module repair activities to meet expanding fleet repair requirements.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0152 / JSF STOVL										<b>Item Number / Title [DODIC]:</b> 1 / Joint Strike Fighter - STOVL								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>							
Procurement Quantity ( <i>Units in Each</i> )						129		17		15		16		- 16							
Gross/Weapon System Cost (\$ in Millions)						19,926.130		2,450.068		2,199.491		2,326.435		0.000		2,326.435					
Less PY Advance Procurement (\$ in Millions)						2,300.474		260.785		301.314		200.118		- 200.118		200.118					
Net Procurement (P-1) (\$ in Millions)						17,625.656		2,189.283		1,898.177		2,126.317		0.000		2,126.317					
Plus CY Advance Procurement (\$ in Millions)						2,645.759		216.814		200.118		193.125		- 193.125		193.125					
<b>Total Obligation Authority</b> (\$ in Millions)						<b>20,271.415</b>		<b>2,406.097</b>		<b>2,098.295</b>		<b>2,319.442</b>		<b>0.000</b>		<b>2,319.442</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares (\$ in Millions)						-		197.028		137.951		92.716		- 92.716		92.716					
Gross/Weapon System Unit Cost (\$ in Thousands)						154,466.124		144,121.647		146,632.733		145,402.188		- 145,402.188		145,402.188					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>					
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE <sup>(†)</sup> (1)	69,923.488	129	9,020.130	59,303.118	17	1,008.153	64,488.333	15	967.325	65,538.750	16	1,048.620	-	-	-	65,538.750	16	1,048.620			
1.1.2) CFE Electronics (2)	13,999.814	129	1,805.976	13,481.647	17	229.188	13,208.733	15	198.131	14,690.313	16	235.045	-	-	-	14,690.313	16	235.045			
1.1.3) Engines/Eng Acc <sup>(‡)</sup> (3)	29,624.473	129	3,821.557	27,454.471	17	466.726	29,250.000	15	438.750	30,601.563	16	489.625	-	-	-	30,601.563	16	489.625			
1.1.4) Rec Flyaway ECO <sup>(4)</sup>	2,280.186	129	294.144	2,044.647	17	34.759	2,104.267	15	31.564	2,216.625	16	35.466	-	-	-	2,216.625	16	35.466			
<i>Subtotal: Recurring Cost</i>	-	-	<i>14,941.807</i>	-	-	<i>1,738.826</i>	-	-	<i>1,635.770</i>	-	-	<i>1,808.756</i>	-	-	-	-	-	<i>1,808.756</i>			
Non Recurring Cost																					
1.2.1) Non-Recur Cost <sup>(5)</sup>	-	-	1,114.165	-	-	81.155	-	-	79.809	-	-	85.721	-	-	-	-	-	85.721			
1.2.2) Ancillary Equip <sup>(6)</sup>	-	-	696.415	-	-	81.638	-	-	78.101	-	-	81.019	-	-	-	-	-	81.019			
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>1,810.580</i>	-	-	<i>162.793</i>	-	-	<i>157.910</i>	-	-	<i>166.740</i>	-	-	-	-	-	<i>166.740</i>			
<i>Subtotal: Flyaway Cost</i>	-	-	<i>16,752.387</i>	-	-	<i>1,901.619</i>	-	-	<i>1,793.680</i>	-	-	<i>1,975.496</i>	-	-	-	-	-	<i>1,975.496</i>			
Support Cost																					
2.1) Airframe PGSE <sup>(7)</sup>	-	-	668.277	-	-	161.045	-	-	68.594	-	-	86.831	-	-	-	-	-	86.831			
2.2) Engine PGSE <sup>(8)</sup>	-	-	243.967	-	-	16.142	-	-	10.064	-	-	11.829	-	-	-	-	-	11.829			

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Exhibit P-5, Cost Analysis: PB 2024 Navy													Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1					P-1 Line Item Number / Title: 0152 / JSF STOVL								Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL												
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:												
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total									
	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)	Unit Cost (\$K)	Qty (Each)	Total Cost (\$M)							
2.3) Avionics PGSE (9)	-	-	358.754	-	-	20.881	-	-	6.065	-	-	7.615	-	-	-	-	-	7.615							
2.4) Pec Trng Eq (10)	-	-	305.219	-	-	0.222	-	-	7.657	-	-	8.303	-	-	-	-	-	8.303							
2.5) Full Mission Simulators	-	-	56.144	-	-	-	-	-	19.432	-	-	-	-	-	-	-	-	-							
2.6) ODIN/Tech Data (previously ALIS) (11)	-	-	93.309	-	-	4.968	-	-	8.525	-	-	9.339	-	-	-	-	-	9.339							
2.7) Other ILS (12)	-	-	543.886	-	-	27.099	-	-	28.872	-	-	28.599	-	-	-	-	-	28.599							
2.8) Prod Eng Supt (13)	-	-	485.737	-	-	17.599	-	-	18.687	-	-	20.755	-	-	-	-	-	20.755							
2.9) Fixed JPO Support (14)	-	-	-	-	-	17.956	-	-	27.118	-	-	35.191	-	-	-	-	-	35.191							
2.10) Depot Standup (15)	-	-	418.450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
2.11) Depot Standup Software (16)	-	-	-	-	-	20.580	-	-	18.480	-	-	17.696	-	-	-	-	-	17.696							
2.12) Depot Standup Air Vehicle (17)	-	-	-	-	-	161.190	-	-	100.249	-	-	91.587	-	-	-	-	-	91.587							
2.13) Depot Standup Propulsion (18)	-	-	-	-	-	100.767	-	-	92.068	-	-	33.194	-	-	-	-	-	33.194							
<i>Subtotal: Support Cost</i>	-	-	<b>3,173.743</b>	-	-	<b>548.449</b>	-	-	<b>405.811</b>	-	-	<b>350.939</b>	-	-	-	-	-	<b>350.939</b>							
<b>Gross/Weapon System Cost</b>	<b>154,466.124</b>	<b>129</b>	<b>19,926.130</b>	<b>144,121.647</b>	<b>17</b>	<b>2,450.068</b>	<b>146,632.733</b>	<b>15</b>	<b>2,199.491</b>	<b>145,402.188</b>	<b>16</b>	<b>2,326.435</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>145,402.188</b>	<b>16</b>	<b>2,326.435</b>							

(†) indicates the presence of a P-5a

**Footnotes:**

- (1) Airframe Unit Recurring Flyaway (URF) price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.
- (2) CFE Electronics (URF) price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.
- (3) Engines price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to inflation related cost pressures.
- (4) ECO price is directly affected by a number of cost pressures including the United States Air Force (USAF) and Department of the Navy (DON) quantity profiles. URF costs are projected to increase due to configuration updates, capability increments as well as inflation related cost pressures.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0152 / JSF STOVL	<b>Item Number / Title [DODIC]:</b> 1 / Joint Strike Fighter - STOVL
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :		<b>MDAP/MAIS Code:</b>
(5) Non-recurring Costs include such items as USMC share of Production Non-Recurring Tooling necessary to support and maintain planned production schedules. FY2024 requests includes funding for Diminishing Manufacturing Sources ("Life-of-type" part buys, management, and non-recurring redesign engineering, acceptance chase support, and technical assistance This cost element includes variable (aircraft qty driven) and fixed costs		
(6) Ancillary Equip: FY24 equipment to procure includes: Launcher Hardware Kit, bomb Rack, Missile Launcher, Adapter Kit, Pylon Kit, Rail Launcher, Gun Pod, Magazine, Umbilical Cable, Pilots Flight Equipment, Helmet Mounted Display and Portable Memory Device. This cost element includes variable (aircraft qty driven) and fixed costs		
(7) FY24: Airframe PGSE: First Aircraft Arrival (MCAS Cherry Point 1st F-35B Sqdn), LHD-1 and LHA-8 Support Equipment outfitting		
(8) FY24: First Aircraft Arrival (MCAS Cherry Point 1st F-35B Sqdn), LHD-1 and LHA-8 Support Equipment outfitting		
(9) FY24: First Aircraft Arrival (MCAS Cherry Point 1st F-35B Sqdn)		
(10) FY24: Unique Training Equipment - Fielded devices WIN10 transition from WIN7 FY24 supports training device Block 4 integration.		
(11) ODIN/MPE/PUBS/TECH DATA: Costs support Autonomic Logistics Information System (ALIS)/Operational Data Integrated Network (ODIN) Equipment, Mission Planning Environment Equipment, site activation support. ODIN equipment includes ODIN Base Kits [OBKs] (formerly named Standard Operating Units [SOUs]) and peripherals. MPE equipment includes MPE Squadron Kits [MSKs] (formerly known as Mission Planning and Off Board Mission Support Modules). Year to year changes are influenced by the number of sites and squadrons. ALIS/ODIN Deployment Kit (MCAS Cherry Point), ALIS/ODIN Squadron Kit (VMFA-231), OMS Deployment Kits (MCAS Cherry Point, MCAS Beaufort)		
(12) FY24: Shared Maintenance Planning and Unique Site Activation Planning.		
(13) Production Engineering Support is cost-shared with F-35 partners to ensures proper cost-sharing contribution to the enterprise wide requirement. Propulsion Administrative Labor.		
(14) Fixed JPO Support: Starting in FY2022, Fixed JPO Support is broken out into a separate cost element from Production Engineering Support. Fixed JPO support costs are cost shared across the US and Partner participants and cost shares are balanced at the aggregate across all Services and appropriations. This cost element includes funds for the JPO program operations and administrative requirements at the enterprise level. Efforts in this cost element include working capital technical SME labor/civilian pay, program office Contractor Support Services, Arlington, VA program unique off-base lease costs, travel, supplies, program office IT and software applications, cybersecurity, studies, and program office oversight of property management. These costs are not programmed, budgeted, or funded as part of base operating support and are not associated with Headquarters level support.		
(15) Depot Standup: Starting in FY2022, Depot Standup is broken down in details in Depot Standup Software, Depot Standup Air Vehicle, and Depot Standup Propulsion.		
(16) Depot Standup Software: Shared SW depot activation (Hill AFB, Warner Robbins AFB, NAS China Lake, NAS Pt. Mugu).		
(17) Depot Standup Air Vehicle: Shared planning and activation for component-level capability and airframe depots.		
(18) Depot Standup Propulsion: Shared planning, activation, and capacity for Oklahoma City Air Logistics Center and Fleet Readiness Center East and Southeast.		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL				Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(t)</sup>		2020	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Mar 2020	Jan 2023	14	56,421.110	Y		Jan 2018
1.1.1) Airframe/CFE <sup>(t)</sup>		2021	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Aug 2023	9	58,965.873	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(t)</sup>		2022	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Jun 2024	17	59,303.118	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(t)</sup>		2023	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Mar 2023	Jul 2025	15	64,488.333	Y		Jan 2020
1.1.1) Airframe/CFE <sup>(t)</sup>		2024	LOCKHEED MARTIN <sup>(19)</sup> / FT WORTH	SS / FPIF	NAVAIR	Jan 2024	May 2026	16	65,538.750	Y		Mar 2023
1.1.3) Engines/Eng Acc <sup>(t)</sup>		2021 <sup>(20)</sup>	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jun 2022	Oct 2022	9	28,925.911	Y		Mar 2020
1.1.3) Engines/Eng Acc <sup>(t)</sup>		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2023	May 2023	17	27,454.471	Y		Mar 2020
1.1.3) Engines/Eng Acc <sup>(t)</sup>		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Aug 2024	15	29,250.000	Y		Mar 2020
1.1.3) Engines/Eng Acc <sup>(t)</sup>		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Jan 2024	Jun 2025	16	30,601.563	Y		May 2023
<b>Advance Procurement</b>												
CFE-Airframe Long Lead: TR3, Bulkhead		2022	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	15	10,407.067	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead		2023	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2022	Jun 2024	16	9,005.250	Y		Jan 2020
CFE-Airframe Long Lead: TR3, Bulkhead		2024	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2023	Jun 2025	16	8,690.625	Y		Mar 2023
CFE-Airframe Long Lead: TR3, Bulkhead		2025	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2024	Jun 2026	16	8,844.625	Y		Mar 2023
CFE-Airframe Long Lead: TR3, Bulkhead		2026	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2025	Jun 2027	17	8,921.353	Y		Jan 2025
CFE-Airframe Long Lead: TR3, Bulkhead		2027	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2026	Jun 2028	20	9,291.100	Y		Jan 2026
CFE-Airframe Long Lead: TR3, Bulkhead		2028	LOCKHEED MARTIN / FT WORTH	SS / FPIF	NAVAIR	Dec 2027	Jun 2029	20	9,817.450	Y		Jan 2027
GFE-Engines Long Lead: Group 4 Rolls Royce		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Feb 2024	15	1,330.533	Y		Mar 2020
GFE-Engines Long Lead: Group 4 Rolls Royce		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Mar 2025	16	1,185.750	Y		Mar 2020
GFE-Engines Long Lead: Group 4 Rolls Royce		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Nov 2023	Nov 2025	16	1,148.875	Y		Jan 2023
GFE-Engines Long Lead: Group 4 Rolls Royce		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Nov 2024	Nov 2026	16	1,169.250	Y		Jan 2023

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL					Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Group 4 Rolls Royce		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Nov 2025	Nov 2027	17	1,179.412	Y		Jan 2023
GFE-Engines Long Lead: Group 4 Rolls Royce		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Nov 2026	Nov 2028	20	1,228.300	Y		Jan 2026
GFE-Engines Long Lead: Group 4 Rolls Royce		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Nov 2027	Nov 2029	20	1,297.850	Y		Jan 2027
GFE-Engines Long Lead Group 10 Rolls Royce		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	203.533	Y		Mar 2020
GFE-Engines Long Lead Group 10 Rolls Royce		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	181.438	Y		Mar 2020
GFE-Engines Long Lead Group 10 Rolls Royce		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	175.750	Y		Jan 2023
GFE-Engines Long Lead Group 10 Rolls Royce		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	178.875	Y		Jan 2023
GFE-Engines Long Lead Group 10 Rolls Royce		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	180.412	Y		Jan 2023
GFE-Engines Long Lead Group 10 Rolls Royce		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	20	187.900	Y		Jan 2026
GFE-Engines Long Lead Group 10 Rolls Royce		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	20	198.550	Y		Jan 2027
GFE-Engines Long Lead: Group 2 Mount-Signal		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	3.133	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Mount-Signal		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	5.375	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Mount-Signal		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	5.250	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Mount-Signal		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	5.375	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Mount-Signal		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	5.412	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Mount-Signal		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	20	5.600	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Mount-Signal		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Oct 2027	Apr 2029	20	5.950	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	9.867	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	8.063	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	7.875	Y		Jan 2023

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL				Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	8.000	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	8.118	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	20	8.450	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	20	8.900	Y		Jan 2027
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	4.200	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	8.063	Y		Mar 2020
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	7.875	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	8.000	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	8.118	Y		Jan 2023
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	20	8.450	Y		Jan 2026
GFE-Engines Long Lead: Group 2 Sensor Ring Rear		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	20	8.900	Y		Jan 2027
GFE-Engines Long Lead: Group 2 Support-Electronic Engine Control		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	30	3.333	Y		Mar 2020
GFE-Engines Long Lead: RR PAL and EAP		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2022	Aug 2023	15	226.000	Y		Mar 2020
GFE-Engines Long Lead: RR PAL and EAP		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	16	201.438	Y		Mar 2020
GFE-Engines Long Lead: RR PAL and EAP		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	16	195.188	Y		Jan 2023
GFE-Engines Long Lead: RR PAL and EAP		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Aug 2026	16	198.625	Y		Jan 2023
GFE-Engines Long Lead: RR PAL and EAP		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Aug 2027	17	200.353	Y		Jan 2023
GFE-Engines Long Lead: RR PAL and EAP		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Aug 2028	20	208.650	Y		Jan 2026
GFE-Engines Long Lead: RR PAL and EAP		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Aug 2029	20	220.500	Y		Jan 2027
GFE-Engines Long Lead: Advanced Acquisition Contracts		2022	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Dec 2022	Dec 2024	15	2,263.267	Y		Mar 2020

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL					Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE-Engines Long Lead: Advanced Acquisition Contracts		2023	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Mar 2023	Mar 2025	16	1,912.000	Y		Mar 2020
GFE-Engines Long Lead: Advanced Acquisition Contracts		2024	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2024	Feb 2026	16	1,838.875	Y		Jan 2023
GFE-Engines Long Lead: Advanced Acquisition Contracts		2025	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2025	Feb 2027	16	1,871.438	Y		Jan 2023
GFE-Engines Long Lead: Advanced Acquisition Contracts		2026	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2026	Feb 2028	17	1,887.588	Y		Jan 2023
GFE-Engines Long Lead: Advanced Acquisition Contracts		2027	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2027	Feb 2029	20	1,965.850	Y		Jan 2026
GFE-Engines Long Lead: Advanced Acquisition Contracts		2028	UNITED TECH, PRATT & WHITNEY / EAST HARTFORD, CT	SS / FPIF	NAVAIR	Feb 2028	Feb 2030	20	2,077.250	Y		Jan 2027

(+) indicates the presence of a P-21

**Footnotes:**

(19) F-35B production capacity is influenced by F-35C quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.

(20) Undefinitized contract action award was in June 2022 and definitization was awarded in Jan 2023.

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL											Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL																						
Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023																								
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E													
1.1.1) Airframe/CFE <sup>(1)</sup>							Calendar Year 2022												Calendar Year 2023																								
Prior Years Deliveries: 106							1	2020	NAVY	14	0	14	-	-	-	-	-	-	-	-	-	-	-	-	2	3	2	1	1	1	1	3	-	-	1								
1	2021	NAVY	9	0	9																																						
1	2022	NAVY	17	0	17																																						
1	2023	NAVY	15	0	15																																						
1	2024	NAVY	16	0	16																																						
1.1.3) Engines/Eng Acc <sup>(3)</sup>							Prior Years Deliveries: 120																																				
2	2021	NAVY	9	0	9																																						0
2	2022	NAVY	17	0	17																																					9	
2	2023	NAVY	15	0	15																																					15	
2	2024	NAVY	16	0	16																																					16	
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E													

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL										Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL																								
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025											B A L A N C E														
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P															
							Calendar Year 2024												Calendar Year 2025																									
1.1.1) Airframe/CFE <sup>(1)</sup>																																												
Prior Years Deliveries: 106																															0													
1	2020	NAVY	14	13	1	-	1		1	1	1	-	2	1	3	1	1	2	3	1	-	1	-	2	3							0												
1	2021	NAVY	9	3	6	-	1	-	1	1	-	2	1																				0											
1	2022	NAVY	17	0	17	-	-	-	-	-	-	-	-	-	3	1	1	2	3	1	-	1	-	2	3							0												
1	2023	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11													
1	2024	NAVY	16	0	16		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16													
1.1.3) Engines/Eng Acc <sup>(3)</sup>																																												
Prior Years Deliveries: 120																															0													
2	2021	NAVY	9	9	0																													0										
2	2022	NAVY	17	8	9	1	1	2	1	2	1	1																					0											
2	2023	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	1	2	1	1	1	1	2	2	2	2	2						0													
2	2024	NAVY	16	0	16		A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11													
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P															

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0152 / JSF STOVL										Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL															
Cost Elements (Units in Each)							Fiscal Year 2026												Fiscal Year 2027																
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E					
1.1.1) Airframe/CFE <sup>(1)</sup>																																			
Prior Years Deliveries: 106																																			
1	2020	NAVY	14	14	0																														0
1	2021	NAVY	9	9	0																														0
1	2022	NAVY	17	17	0																														0
1	2023	NAVY	15	4	11	-	3	1	1	3	2	1																					0		
1	2024	NAVY	16	0	16	-	-	-	-	-	-	-																					0		
1.1.3) Engines/Eng Acc <sup>(3)</sup>																																			
Prior Years Deliveries: 120																																			
2	2021	NAVY	9	9	0																														0
2	2022	NAVY	17	17	0																														0
2	2023	NAVY	15	15	0																														0
2	2024	NAVY	16	5	11	2	2	2	2	1	2																						0		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					

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Exhibit P-21, Production Schedule: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0152 / JSF STOVL						Item Number / Title [DODIC]: 1 / Joint Strike Fighter - STOVL			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LOCKHEED MARTIN <sup>(19)</sup> - FT WORTH	8	12	24	0	6	24	30	8	4	26	30
2	UNITED TECH, PRATT & WHITNEY - EAST HARTFORD, CT	8	12	24	0	4	17	21	6	4	17	21

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

<sup>(19)</sup> F-35B production capacity is influenced by F-35C quantities. Maximum combined production including partners for F-35B and F-35C is 60 per year.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					<b>P-1 Line Item Number / Title:</b> 0152 / JSF STOVL												
<b>Program Elements for Code B Items:</b> 0204146M					<b>Other Related Program Elements:</b> 0204146N												
<b>Line Item MDAP/MAIS Code:</b> 198																	
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>					
Gross/Weapon System Cost (\$ in Millions)	2,645.759	216.814	200.118	193.125	-	193.125	196.547	210.643	258.086	272.707	1,059.621	5,253.420					
Net Procurement (P-1) (\$ in Millions)	2,645.759	216.814	200.118	193.125	-	193.125	196.547	210.643	258.086	272.707	1,059.621	5,253.420					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,645.759</b>	<b>216.814</b>	<b>200.118</b>	<b>193.125</b>	<b>-</b>	<b>193.125</b>	<b>196.547</b>	<b>210.643</b>	<b>258.086</b>	<b>272.707</b>	<b>1,059.621</b>	<b>5,253.420</b>					

**Description:**

Joint Strike Fighter (JSF) program is developing and fielding a family of aircraft that meets the needs of DoD and allies, with the F-35A Conventional Take Off and Landing (CTOL) variant, F-35B Short Take-Off and Vertical Landing (STOVL) variant and F-35C Carrier Variant (CV). The aircraft will have commonality among the three variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between Department of Navy (DON) and Department of Air Force (DAF) and currently resides with the Navy. The F-35 is next generation of strike fighters to command and maintain global air superiority. FY24 Advance procurement funding will support Airframe and Engine Termination Liability and long-lead parts and materials necessary to protect delivery schedule of FY2025 JSF aircraft.

**Note:**

(1) F-35B USMC variant Budget Line Item 0152 was created in FY11, prior years budgets were reported under Budget Line Item 0147. The F-35C continues to report under Budget Line Item 0147. CY Advance Procurement for FY2010 F-35B aircraft was included in the FY2010 F-35C budget. The Advance Procurement Credit for FY2010 F-35B aircraft was included in the FY2011 F-35B budget.

The balance of the funds for end items is included in the budget submission.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>						<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0152 / JSF STOVL		
<b>Program Elements for Code B Items:</b> 0204146M				<b>Other Related Program Elements:</b> 0204146N		
<b>Line Item MDAP/MAIS Code:</b> 198						
<b>Exhibits Schedule</b>			<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>ID CD</b>	<b>MDAP/ MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-10	1 / Joint Strike Fighter - STOVL			129 / 2,645.759	17 / 216.814	15 / 200.118
P-40	<b>Total Gross/Weapon System Cost</b>			<b>129 / 2,645.759</b>	<b>17 / 216.814</b>	<b>15 / 200.118</b>
*Title represents the P-10 Title for Advance Procurement.						
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.						
<p><b>Justification:</b>            The FY2024 budget requests Advance Procurement for FY2025 long lead materials to support Airframe and Engine long-lead parts and materials necessary to protect the Lot 19 delivery schedule.            Full funding for every end item requesting advance procurement is included in the budget submission.</p>						

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-5 Number / Title:</b> 1 / Joint Strike Fighter - STOVL	
<b>First System (2024) Award Date:</b> March 2024	<b>First System (2024) Completion Date:</b> January 2026			<b>Interval Between Systems:</b> 1 Months	
Joint Strike Fighter - STOVL	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	
Quantity		129	17	15	
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
CFE-Airframe Long Lead <sup>(5)</sup>	0	1,681.064	-	-	-
CFE-Airframe Long Lead: TR3, Bulkhead <sup>(†)</sup>	18	-	156.106	144.084	139.050
For FY19 Economic Order Quantity (Lot 13)	0	91.489	-	-	-
For FY20 Economic Order Quantity (Lot 14)	0	91.489	-	-	-
For FY21 Economic Order Quantity (Lot 15)	0	84.500	-	-	-
For FY22 Economic Order Quantity (Lot 16)	0	56.333	-	-	-
For FY23 Economic Order Quantity (Lot 17)	0	84.500	-	-	-
<i>Total: CFE</i>		2,089.375	156.106	144.084	139.050
<b>GFE</b>					
GFE- Engines Long Lead <sup>(6)</sup>	0	556.384	-	-	-
GFE-Engines Long Lead: Group 4 Rolls Royce <sup>(†)</sup>	23	-	19.958	18.972	18.382
GFE-Engines Long Lead Group 10 Rolls Royce <sup>(†)</sup>	23	-	3.053	2.903	2.812
GFE-Engines Long Lead: Group 2 Mount-Signal <sup>(†)</sup>	23	-	0.047	0.086	0.084
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd <sup>(†)</sup>	23	-	0.148	0.129	0.126
GFE-Engines Long Lead: Group 2 Sensor Ring Rear <sup>(†)</sup>	23	-	0.063	0.129	0.126
GFE-Engines Long Lead: Group 2 Support-Electronic Engine Control <sup>(†)</sup>	23	-	0.100	-	-
GFE-Engines Long Lead: RR PAL and EAP <sup>(†)</sup>	23	-	3.390	3.223	3.123
GFE-Engines Long Lead: Advanced Acquisition Contracts (7) <sup>(†)</sup>	23	-	33.949	30.592	29.422
<i>Total: GFE</i>		556.384	60.708	56.034	54.075
<b>Total Advance Procurement/Obligation Authority</b>		<b>2,645.759</b>	<b>216.814</b>	<b>200.118</b>	<b>193.125</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>					<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0152 / JSF STOVL				<b>P-5 Number / Title:</b> 1 / Joint Strike Fighter - STOVL
<b>FY 2024</b>					
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>
<b>CFE</b>					
CFE-Airframe Long Lead (5)	1				
CFE-Airframe Long Lead: TR3, Bulkhead (†)	1	18	8,690.625	Dec 2023	16
For FY19 Economic Order Quantity (Lot 13)	0				
For FY20 Economic Order Quantity (Lot 14)	0				
For FY21 Economic Order Quantity (Lot 15)	0				
For FY22 Economic Order Quantity (Lot 16)	0				
For FY23 Economic Order Quantity (Lot 17)	0				
<b>Total: CFE</b>					<b>139.050</b>
<b>GFE</b>					
GFE- Engines Long Lead (6)	1				
GFE-Engines Long Lead: Group 4 Rolls Royce (†)	1	24	1,148.875	Nov 2023	16
GFE-Engines Long Lead Group 10 Rolls Royce (†)	1	18	175.750	Feb 2024	16
GFE-Engines Long Lead: Group 2 Mount-Signal (†)	2	18	5.250	Feb 2024	16
GFE-Engines Long Lead: Group 2 Sensor Ring Fwd (†)	1	18	7.875	Feb 2024	16
GFE-Engines Long Lead: Group 2 Sensor Ring Rear (†)	1	18	7.875	Feb 2024	16
GFE-Engines Long Lead: Group 2 Support-Electronic Engine Control (†)	2				
GFE-Engines Long Lead: RR PAL and EAP (†)	0	18	195.188	Feb 2024	16
GFE-Engines Long Lead: Advanced Acquisition Contracts (7) (†)	0	24	1,838.875	Feb 2024	16
<b>Total: GFE</b>					<b>54.075</b>
<b>Total Advance Procurement/Obligation Authority</b>					<b>193.125</b>
<b>Description:</b> Advance procurement funding will support Airframe and Engine Termination Liability, and long-lead parts and materials necessary to protect delivery schedule of JSF aircraft procurements.  Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft.					
(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.					

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0152 / JSF STOVL	<b>P-5 Number / Title:</b> 1 / Joint Strike Fighter - STOVL
<b>Footnotes:</b>		
(5) CFE-Airframe Long Lead: AP funding will be used towards the following Air Vehicle suppliers/systems based on the lead time associated with the material(s): TR3 Components (Integrated Core Processor, Aircraft Memory System, Panoramic Cockpit Display); Bulkhead forgings; Collins Landing Gear; BAE Electronic Warfare components; IAI Outer Wing Box; BAE Aft Fuselage components; Northrop Grumman Center Fuselage, Communication, Navigation & Identification (CNI), and Radar components; ATK Wing Skins; Curtiss-Wright Controls LEFDS; Ball Aerospace CNI Integrated Body Apertures; Heroux-Devtek FODUS; Fokker Flaperons; Arkwin Industries Actuators; and Leonardo Wing.		
(6) GFE-Engines Long Lead: Starting in FY22, this is broken down into more details.		
(7) GFE-Engines Long Lead: Advance Acquisition Contracts (AAC) will be awarded for long-lead items on a termination liability basis to protect delivery schedule. AP funding will be used towards the following Propulsion suppliers/systems based on lead time associated with material(s): Engine Hardware (High Pressure Turbine (HPT), Low Pressure Turbine (LPT), Turbine Exhaust, Compressor Rotors and Stators, Nozzle, Liners and Seals) and Collins Inlet Debris Monitor Signal Conditioning Units (IDMS SCUs), Rolls Royce Hardware (LiftFan hardware, Clutch Assy, 3 Bearing Swift Mount (3BSM), and Drive Shaft Assy).		

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)							
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0605212N				Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 390												
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity ( <i>Units in Each</i> )	29	11	12	15	-	15	21	21	21	21	45	196
Gross/Weapon System Cost (\$ in Millions)	4,709.521	1,651.010	2,059.513	2,039.742	0.000	2,039.742	2,767.630	2,758.485	2,703.458	2,762.780	6,305.000	27,757.139
Less PY Advance Procurement (\$ in Millions)	562.549	164.616	182.903	341.692	-	341.692	456.567	429.813	495.461	510.606	1,030.841	4,175.048
Net Procurement (P-1) (\$ in Millions)	4,146.972	1,486.394	1,876.610	1,698.050	0.000	1,698.050	2,311.063	2,328.672	2,207.997	2,252.174	5,274.159	23,582.091
Plus CY Advance Procurement (\$ in Millions)	727.165	182.903	341.692	456.567	-	456.567	429.813	495.461	510.606	520.823	510.018	4,175.048
<b>Total Obligation Authority (\$ in Millions)</b>	<b>4,874.137</b>	<b>1,669.297</b>	<b>2,218.302</b>	<b>2,154.617</b>	<b>0.000</b>	<b>2,154.617</b>	<b>2,740.876</b>	<b>2,824.133</b>	<b>2,718.603</b>	<b>2,772.997</b>	<b>5,784.177</b>	<b>27,757.139</b>
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	163.577	19.666	58.432	-	58.432	27.761	59.633	43.898	48.430	94.480	515.877
Flyaway Unit Cost (\$ in Thousands)	136,180.448	131,781.818	140,911.083	120,529.467	-	120,529.467	121,631.238	118,542.476	119,797.095	121,726.000	126,789.267	126,116.622
Gross/Weapon System Unit Cost (\$ in Thousands)	162,397.276	150,091.818	171,626.083	135,982.800	-	135,982.800	131,791.905	131,356.429	128,736.095	131,560.952	140,111.111	141,618.056
<b>Description:</b>												
The CH-53K is a next generation fly by wire heavy-lift helicopter that provides significant improvements in range, payload, performance, cargo handling, turn-around times, reliability, maintainability, interoperability and survivability. It is the only marinized heavy-lift helicopter in the world and the Department of Defense's only heavy-lift helicopter. The CH-53K mission is to support the Marine Air-Ground Task Force (MAGTF) Commander by providing assault support transport of heavy equipment, combat troops, and supplies, day or night under all weather conditions during expeditionary, joint, or combined operations.												
The CH-53K provides a greater payload at greater ranges than any current or emerging rotorcraft to support the rapid transition of Joint and Coalition forces from contact to blunt layer activities in a contested environment.												
The system addresses current connector shortfalls making it a critical enabler in the execution of distributed operations; a key component of the Marine Corps' Expeditionary Advanced Base Operations concept which supports the President's National Security Strategy, the Tri-Service Maritime Strategy and the Navy's Distributed Maritime Operational concept. The CH-53K is capable of integrating into the current battlefield and taking advantage of future technologies, such as manned/unmanned teaming and MAGTF digital interoperability. The modern fly by wire system provides greater safety, survivability, and reliability compared to other joint rotorcraft. When compared to the legacy aircraft, the CH-53K improves reliability and decreases operations and support costs by reducing maintenance man hours per flight hour while maximizing work effectiveness and efficiency.												
Total aircraft quantities for the CH-53K program are 200 helicopters. Of the 200 aircraft, four are System Demonstration Test Articles (SDTAs) and were incrementally funded using RDT&E funds and 196 aircraft are funded with Aircraft Procurement, Navy (APN).												
The CH-53K System Development and Demonstration program received a successful Milestone C decision on 4 April 2017. The CH-53K Production program received approval on 22 December 2022 to proceed to Full Rate Production.												

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy							Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)						
ID Code (A=Service Ready, B=Not Service Ready): B		Program Elements for Code B Items: 0605212N			Other Related Program Elements: N/A					
<b>Line Item MDAP/MAIS Code:</b> 390										
<b>Exhibits Schedule</b>				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / CH-53K (Heavy Lift)	P-5a, P-21			29 / 4,709.521	11 / 1,651.010	12 / 2,059.513	15 / 2,039.742	- / 0.000	15 / 2,039.742
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>29 / 4,709.521</b>	<b>11 / 1,651.010</b>	<b>12 / 2,059.513</b>	<b>15 / 2,039.742</b>	<b>- / 0.000</b>	<b>15 / 2,039.742</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2024 APN request funds the procurement of Full Rate Production (FRP) Lot 8 (fifteen aircraft), as well as advance procurement in support of Lot 9 long-lead materials. Lot 7 (FY 2023) and Lot 8 (FY 2024) Airframe and Engine cost elements are planned and budgeted as a Block Buy contract; these cost elements have been adjusted to reflect estimated savings. Those savings have been applied to previously identified Cost Reduction Initiatives, such as TRP Ti (titanium) alternate sourcing, Engine Casting alternate sourcing, and Engine Stage 1-2 Nozzle/Blade/Vane engineering changes, to continue to reduce total program cost.

This request reflects known pricing for Low Rate Initial Production (LRIP) Lots 1-6 Airframe, LRIP Lots 1-6/FRP Lots 7-8 Engine, GFE contract awards and the refinement of Depot Capability establishment.

NRE requirements address critical obsolescence issues and procure both production rate tooling and supplier production line and manufacturing process improvements required to support the increasing production ramp and meet FRP procurement quantities.

Airframe, Engine, and Avionics Peculiar Ground Support Equipment (PGSE) requirements are derived by three factors: scheduled stand-up of CONUS Main Operating Base; Initial Operating Capability (IOC) of sea-based deployment of four plane detachment; and establishment of Depot repair capability for the entire weapons system. A phased approach is being utilized to procure the required PGSE to support IOC plus four years as required by 10 US Code 2464/Navy Support Date (NSD). The cost in each year is based on the specific equipment being purchased for that year's capability establishment, such as main rotor head assembly, main gearbox assembly, tail gearbox assembly, intermediate gearbox, nose gearbox assembly, tail bumper retract actuator, DIRCM cooling fan assembly, engine exhaust assembly, and engine duct assembly, not cost growth.

Peculiar Training Equipment procurements are necessary to equip the Fleet Replacement Squadron (FRS) and continue the establishment of training capacity for the CH-53E to CH-53K transition.

Publications / Tech Data requirements are aligned with the procurement of Product Support Packages, including drawings, procedures, and technical manuals, capturing production aircraft configuration to support Intermediate (I) and Depot (D) level repair capabilities to meet IOC and 10 US Code 2464/NSD requirements.

Other ILS requirements support the program transition plan from interim to organic support and Depot Capability establishment, which includes Component Pilot Repair events at Depot and I-Level facilities, validation and verification of procedures, and publishing of final products up to declaration of capability being established for a particular component within the scope of the contract being funded.

Production Engineering Support requirements are for Government and Contractor Support Services (CSS) annualized support of the production program.

Initial Spares increase in FY 2024 to build range and depth of Peculiar Support Equipment (PSE) and T408 Engine spares and spare parts, commensurate with the growing CH-53K inventory and enables the program to remain on track to fully support deployed flight operations in the Fleet.

The Prior Years (PY) enacted includes a Congressional rescission of \$89.583M to FY 2020; however, this rescission is not reflected on the P-40.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)										<b>Item Number / Title [DODIC]:</b> 1 / CH-53K (Heavy Lift)							
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>							
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>						
Procurement Quantity ( <i>Units in Each</i> )						29		11		12		15		15						
Gross/Weapon System Cost (\$ in Millions)						4,709.521		1,651.010		2,059.513		2,039.742		0.000			2,039.742			
Less PY Advance Procurement (\$ in Millions)						562.549		164.616		182.903		341.692		-			341.692			
Net Procurement (P-1) (\$ in Millions)						4,146.972		1,486.394		1,876.610		1,698.050		0.000			1,698.050			
Plus CY Advance Procurement (\$ in Millions)						727.165		182.903		341.692		456.567		-			456.567			
<b>Total Obligation Authority</b> (\$ in Millions)						<b>4,874.137</b>		<b>1,669.297</b>		<b>2,218.302</b>		<b>2,154.617</b>		<b>0.000</b>			<b>2,154.617</b>			
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares (\$ in Millions)						-		163.577		19.666		58.432		-			58.432			
Gross/Weapon System Unit Cost (\$ in Thousands)						162,397.276		150,091.818		171,626.083		135,982.800		-			135,982.800			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																				
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>				
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)		
Flyaway Cost																				
Recurring Cost																				
1.1.1) Airframe/CFE <sup>(†)</sup> (1)	103,834.552	29	3,011.202	94,376.818	11	1,038.145	94,351.500	12	1,132.218	91,632.333	15	1,374.485	-	-	-	91,632.333	15	1,374.485		
1.1.2) Engines <sup>(†)</sup> (2)	5,140.762	84	431.824	3,883.848	33	128.167	3,614.083	36	130.107	3,507.889	45	157.855	-	-	-	3,507.889	45	157.855		
1.1.3) CFE Mission Electronics	-	-	4.879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.4) GFE Electronics (3)	-	-	203.611	-	-	66.067	-	-	75.937	-	-	91.242	-	-	-	-	-	91.242		
1.1.6) Other GFE (4)	-	-	7.242	-	-	4.796	-	-	5.819	-	-	7.253	-	-	-	-	-	7.253		
1.1.7) Rec Flyaway ECO <sup>(5)</sup>	-	-	31.272	-	-	2.428	-	-	59.808	-	-	64.777	-	-	-	-	-	64.777		
<i>Subtotal: Recurring Cost</i>	-	-	<i>3,690.030</i>	-	-	<i>1,239.603</i>	-	-	<i>1,403.889</i>	-	-	<i>1,695.612</i>	-	-	-	-	-	<i>1,695.612</i>		
Non Recurring Cost																				
1.2.1) Non-Recurring Cost <sup>(6)</sup>	-	-	259.203	-	-	204.077	-	-	269.987	-	-	93.486	-	-	-	-	-	93.486		
1.2.2) Ancillary Equip	-	-	-	-	-	5.920	-	-	17.057	-	-	18.844	-	-	-	-	-	18.844		
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>259.203</i>	-	-	<i>209.997</i>	-	-	<i>287.044</i>	-	-	<i>112.330</i>	-	-	-	-	-	<i>112.330</i>		
<i>Subtotal: Flyaway Cost</i>	-	-	<i>3,949.233</i>	-	-	<i>1,449.600</i>	-	-	<i>1,690.933</i>	-	-	<i>1,807.942</i>	-	-	-	-	-	<i>1,807.942</i>		
Support Cost																				
2.1) Airframe PGSE	-	-	117.155	-	-	30.451	-	-	86.082	-	-	25.038	-	-	-	-	-	25.038		
2.2) Engine PGSE	-	-	13.890	-	-	9.516	-	-	9.278	-	-	2.309	-	-	-	-	-	2.309		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)								<b>Item Number / Title [DODIC]:</b> 1 / CH-53K (Heavy Lift)													
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>													
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>									
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>							
2.3) Avionics PGSE	-	-	45.739	-	-	2.523	-	-	30.174	-	-	9.333	-	-	-	-	-	9.333							
2.4) Peculiar Training Equip <sup>(7)</sup>	-	-	44.828	-	-	45.815	-	-	89.296	-	-	61.890	-	-	-	-	-	61.890							
2.5) Pubs / Tech Data <sup>(8)</sup>	-	-	119.720	-	-	6.576	-	-	38.733	-	-	11.707	-	-	-	-	-	11.707							
2.7) Other ILS <sup>(9)</sup>	-	-	108.462	-	-	44.244	-	-	48.999	-	-	53.308	-	-	-	-	-	53.308							
2.8) Production Engineering Support	-	-	220.911	-	-	62.285	-	-	66.018	-	-	68.215	-	-	-	-	-	68.215							
2.9) Congressional Rescissions Enacted <sup>(10)</sup>	-	-	89.583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
<i>Subtotal: Support Cost</i>	-	-	<b>760.288</b>	-	-	<b>201.410</b>	-	-	<b>368.580</b>	-	-	<b>231.800</b>	-	-	-	-	-	<b>231.800</b>							
<b>Gross/Weapon System Cost</b>	<b>162,397.276</b>	<b>29</b>	<b>4,709.521</b>	<b>150,091.818</b>	<b>11</b>	<b>1,651.010</b>	<b>171,626.083</b>	<b>12</b>	<b>2,059.513</b>	<b>135,982.800</b>	<b>15</b>	<b>2,039.742</b>	-	-	<b>0.000</b>	<b>135,982.800</b>	<b>15</b>	<b>2,039.742</b>							

(†) indicates the presence of a P-5a

**Footnotes:**

- (1) Cost Element 1.1.1: Airframe cost element increases FY 2023 to FY 2024 due to the ramping production rate, as well as raw material cost increases. FY 2023 and FY 2024 unit costs reflect Block Buy contract pricing for Lot 7 and Lot 8. Cost estimates informed by LRIP 1-6 contracts, ongoing FRP 7-8 negotiations and the Independent Government Cost Estimate (IGCE).
- (2) Cost Element 1.1.2: Engine cost element increases FY 2023 to FY 2024 due to the ramping production rate, as well as raw material cost increases. FY 2023 and FY 2024 unit costs reflect settled Block Buy contract pricing for Lot 7 and Lot 8. Lower production quantities are proving to be more costly than previously estimated. PY engine quantity accounts for transfer of three (3) SDTA assets to production for use in Lot 5 aircraft.
- (3) Cost Element 1.1.4: GFE Electronics cost element increases FY 2023 to FY 2024 due to the ramping production rate. The FY 2023 Appropriations Bill included a mark of \$8.207M specific to the GFE Electronics Cost Element for excess growth; two additional aircraft were also added to FY 2023. The addition of the two aircraft increases the amount of funding required to fully fund GFE Electronics requirements for Lot 7; therefore, while the specific reduction was applied to GFE Electronics, a net increase is shown in FY 2023 on the PB-24 budget exhibit.
- (4) Cost Element 1.1.6: Other GFE cost element increases FY 2023 to FY 2024 due to the ramping production rate.
- (5) Cost Element 1.1.7: Engineering Change Orders (ECO) provides for unknown, but anticipated, future engineering changes commensurate with the level of risk in the program in a given FY. This includes CFE/GFE correction of deficiencies found during flight test and incorporation of required changes into production aircraft, such as adjustments to airframe or avionics components, or drive train elements. This ensures that a single fleet configuration is maintained in order to reduce future sustainment costs. PY and FY 2022 ECO reflects reduced allocations following realignment of funding to Airframe CFE to support airframe procurements. FY 2023 and subsequent years reflect the correct ECO program requirements. The FY 2023 Appropriations Bill included a mark of \$22.790M specific to the Recurring Flyaway ECO Cost Element for excess growth; two additional aircraft were also added to FY 2023. The addition of the two aircraft increases the amount of funding required to implement engineering changes; therefore, while the specific reduction was applied to Recurring Flyaway ECO, a net increase is shown in FY 2023 on the PB-24 budget exhibit.
- (6) Cost Element 1.2.1: FY 2024 NRE requirements are to address Airframe and Engine Cost Reduction Initiatives (CRI), known obsolescence issues and systems integration. Planned CRI efforts total \$20.1M. CRI's being pursued include, but are not limited to, TRP Ti (titanium) alternate sourcing, Engine Casting alternate sourcing, Engine Stage 1-2 Nozzle/Blade/Vane engineering changes, Fuel Cell alternate sourcing, Engine Inter-stage Seal Forging size reduction, Herring Bone/Main Rotor Shaft Forgings alternate sourcing, FWD Rotor Cooling Plate material change, and Trailing Edge Fairing rework. Obsolescence and other non-recurring efforts include Low Probability of Intercept Altimeter (LPIA) Obsolescence-\$9.1M, Department of the Navy LAIRCM Processor Upgrade (DLPU) integration-\$8.0M Avionics

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)	<b>Item Number / Title [DODIC]:</b> 1 / CH-53K (Heavy Lift)		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>			
Management System (AMS) software-\$7.0M, Flight Control Computer (FCC) VG5 obsolescence step 2-\$5.0M, and Integrated Hybrid Structural Management System (IHSMS) integration-\$3.5M. NRE also procures aircraft rate tooling-\$27.4M, engine rate tooling-\$10.9M and supplier production line improvements-\$2.5M required to increase capacity to support the production ramp rate in subsequent years and meet FRP procurement quantities. Tooling lead-time necessitates procurement in FY 2024 in order to meet FY 2025 production rate increase.				
(7) Cost Element 2.4: Peculiar Training Equipment procurements are necessary to equip the Fleet Replacement Squadron (FRS) and continue the establishment of training capacity for the CH-53E to CH-53K transition. The FY 2024 Peculiar Training Equipment budget supports the procurement of two Containerized Flight Training Devices (CFTD) for MCAS Miramar and Futenma, Advanced Aircrew Training Device (AATD) #2 for MCAS New River and Initial Accession Training courseware updates. These efforts will ensure foundational training capability is established and reduces the need for costly on-aircraft training.				
(8) Cost Element 2.5: Pubs/Tech Data received congressional mark in FY23; however, in order to meet IOC and 10 US Code 2464/NSD requirements, additional funding has been added in Pubs/Tech Data in FY23.				
(9) Cost Element 2.7: Other ILS total increases FY 2023 to FY 2024 to continue organic capability establishment and Prime ILS management of multiple products and services, including but not limited to production PGSE, maintenance plans, IETMs, DMSMS management, and supply support activities, in order to reduce both cost and contracting cycle-times. This contract serves as the mechanism to process critical updates of these products due to production configuration changes and maintain alignment of Logistics Product Support Packages with the production aircraft configuration.				
(10) Cost Element 2.9: Congressional Rescissions Enacted captures the \$89.583M FY 2020 rescission to CH-53K Advanced Procurement. Future budget submissions will reflect the correct enacted PY Advanced Procurement amount.				

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)				Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2017	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Aug 2017	Nov 2021	2	113,082.500	Y		Sep 2015
1.1.1) Airframe/CFE <sup>(†)</sup>		2018	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	May 2019	Jun 2022	5	110,921.000	Y		Sep 2015
1.1.1) Airframe/CFE <sup>(†)</sup>		2019	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	May 2019	May 2023	7	105,610.429	Y		Jan 2018
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Oct 2020	Jan 2024	6	102,093.000	Y		Jan 2019
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jun 2021	Apr 2024	9	97,622.333	Y		Nov 2019
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Feb 2022	Nov 2024	11	94,376.818	Y		Nov 2019
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	May 2023	Dec 2025	12	94,351.500	Y		Jun 2021
1.1.1) Airframe/CFE <sup>(†)</sup>		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Oct 2023	Sep 2026	15	91,632.333	Y		Jun 2021
1.1.2) Engines <sup>(†)</sup>		2017	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Nov 2017	Aug 2019	6	6,287.333	Y		Jan 2016
1.1.2) Engines <sup>(†)</sup>		2018	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Nov 2017	Jul 2020	15	6,279.400	Y		Jan 2017
1.1.2) Engines <sup>(†)</sup>		2019	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Aug 2019	Jan 2022	21	4,928.952	Y		Jan 2018
1.1.2) Engines <sup>(†)</sup>		2020	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Dec 2020	Mar 2023	18	4,763.500	Y		Apr 2019
1.1.2) Engines <sup>(†)</sup>		2021	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Jan 2021	Jul 2023	24	4,610.750	Y		Apr 2019
1.1.2) Engines <sup>(†)</sup>		2022	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Mar 2023	Jun 2024	33	3,883.848	Y		Apr 2021
1.1.2) Engines <sup>(†)</sup>		2023	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	May 2023	Nov 2025	36	3,614.083	Y		Apr 2021
1.1.2) Engines <sup>(†)</sup>		2024	General Electric Company / Lynn, MA	SS / FFP	NAVAIR	Oct 2023	Dec 2025	45	3,507.889	Y		Apr 2021
<b>Advance Procurement</b>												
FY23 Long Lead - FWD Fuselage Structural Assembly		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2022	Aug 2024	9	9,298.889	Y		May 2021
FY23 Long Lead - Transition Structural Assembly		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2022	Jun 2024	9	2,825.000	Y		May 2021
FY23 Long Lead - Tail Pylon Assembly		2022	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2022	Oct 2024	10	1,498.900	Y		May 2021
FY24 Long Lead - FWD Fuselage Structural Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Aug 2025	10	9,663.300	Y		May 2021
FY24 Long Lead - Transition Structural Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Jun 2025	10	2,935.700	Y		May 2022
FY24 Long Lead - Tail Pylon Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Oct 2025	10	1,557.600	Y		May 2021
FY24 Long Lead - Collective/Cyclic Inceptors		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Feb 2025	10	1,034.000	Y		May 2021
FY24 Long Lead - Landing Gear Assembly (Nose & Mains)		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	May 2025	10	958.000	Y		May 2021

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)					Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FY24 Long Lead - Rotary Wing Head Damper/Hub Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Feb 2025	10	874.700	Y		May 2021
FY24 Long Lead - Main Rotor Servo		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Nov 2024	10	771.100	Y		May 2021
FY24 Long Lead - APU Engine Assembly		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	Oct 2024	6	896.000	Y		May 2021
FY24 Long Lead - Hub Subassembly Forgings		2023	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2023	May 2025	10	446.300	Y		May 2021
FY25 Long Lead - FWD Fuselage Structural Assembly		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Aug 2026	15	8,222.133	Y		May 2022
FY25 Long Lead - Transition Structural Assembly		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Jun 2026	15	2,497.800	Y		May 2022
FY25 Long Lead - Tail Pylon Assembly		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Oct 2026	15	1,325.333	Y		May 2022
FY25 Long Lead - Collective/Cyclic Inceptors		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Feb 2026	15	879.800	Y		May 2022
FY25 Long Lead - Landing Gear Assembly (Nose & Mains)		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	May 2026	15	815.133	Y		May 2022
FY25 Long Lead - Rotary Wing Head Damper/Hub Assembly		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Feb 2026	15	744.267	Y		May 2022
FY25 Long Lead - Main Rotor Servo		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Nov 2025	15	656.067	Y		May 2022
FY25 Long Lead - APU Engine Assembly		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	Oct 2025	9	762.333	Y		May 2022
FY25 Long Lead - Hub Subassembly Forgings		2024	Sikorsky A/C Corp / Stratford, CT	SS / FPIF	NAVAIR	Jan 2024	May 2026	15	379.800	Y		May 2022
FY23 Long Lead GFE - APR39D(V)2 Radar Target Data Processor		2022	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	10	905.900	Y		Sep 2019
FY23 Long Lead GFE - APR39D(V)2 Radar Receiver		2022	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Mar 2022	Sep 2023	30	71.667	Y		Sep 2019
FY23 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA)		2022	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Mar 2022	Sep 2023	20	721.700	Y		Dec 2020
FY23 Long Lead GFE - Advance Threat Warning Sensor (ATW)		2022	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Mar 2022	Sep 2023	50	163.480	Y		Dec 2020
FY23 Long Lead GFE - LAIRCM System Processor Replacement (LSPR)		2022	Northrop Grumman / Rolling Meadows, IL	SS / FFP	USAF	Apr 2022	Oct 2023	10	453.200	Y		Aug 2019

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)					Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
FY24 Long Lead GFE - APR39D(V)2 Radar Target Data Processor		2023	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	15	1,009.667	Y		Sep 2019
FY24 Long Lead GFE - APR39D(V)2 Radar Receiver		2023	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Feb 2023	Aug 2024	45	93.511	Y		Sep 2019
FY24 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA)		2023	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Jan 2023	Jul 2024	30	675.800	Y		Dec 2020
FY24 Long Lead GFE - Advance Threat Warning Sensor (ATW)		2023	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Jan 2023	Jul 2024	75	171.467	Y		Dec 2020
FY24 Long Lead GFE - LAIRCM System Processor Replacement (LSPR)		2023	Northrop Grumman / Rolling Meadows, IL	SS / FFP	USAF	Apr 2023	Oct 2024	15	498.800	Y		Aug 2019
FY25 Long Lead GFE - APR39D(V)2 Radar Target Data Processor		2024	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	21	920.476	Y		Sep 2023
FY25 Long Lead GFE - APR39D(V)2 Radar Receiver		2024	Northrop Grumman / Rolling Meadows, IL	SS / FPIF	NAVAIR	Feb 2024	Aug 2025	63	85.238	Y		Sep 2023
FY25 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA)		2024	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Jan 2024	Jul 2025	42	616.095	Y		Dec 2022
FY25 Long Lead GFE - Advance Threat Warning Sensor (ATW)		2024	Northrop Grumman / Rolling Meadows, IL	SS / IDIQ	NAVAIR	Jan 2024	Jul 2025	105	156.305	Y		Dec 2022
FY25 Long Lead GFE - LAIRCM System Processor Replacement (LSPR)		2024	Northrop Grumman / Rolling Meadows, IL	SS / FFP	USAF	Apr 2024	Oct 2025	21	454.714	Y		Aug 2023

(†) indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				B A L A N C E
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)																				B A L A N C E
Cost Elements (Units in Each)							Fiscal Year 2017												Fiscal Year 2018																					
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2016	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.1.1) Airframe/CFE <sup>(1)</sup>																				A - - - - - - - - - - -											2									
1	2017	NAVY		2	0	2																												5						
1	2018	NAVY		5 <sup>(11)</sup>	0	5																													7					
1	2019	NAVY		7	0	7																														6				
1	2020	NAVY		6	0	6																														9				
1	2021	NAVY		9	0	9																														11				
1	2022	NAVY		11	0	11																														12				
1	2023	NAVY		12	0	12																															15			
1.1.2) Engines <sup>(2)</sup>																				A - - - - - - - - - - -											6									
2	2017	NAVY		6	0	6																															15			
2	2018	NAVY		15	0	15																															21			
2	2019	NAVY		21	0	21																															18			
2	2020	NAVY		18	0	18																															24			
2	2021	NAVY		24	0	24																															33			
2	2022	NAVY		33	0	33																															36			
2	2023	NAVY		36	0	36																															45			
																				O C T N O V D E C J A N F E B M A R A P R M A Y J U N J U L A U G S E P											B A L A N C E									

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## **Exhibit P-21, Production Schedule: PB 2024 Navy**

Date: March 2023

**Appropriation / Budget Activity / Budget Sub Activity:**  
1506N / 01 / 1

**P-1 Line Item Number / Title:**  
0158 / CH-53K (Heavy Lift)

**Item Number / Title [DODIC]:**  
1 / CH-53K (Heavy Lift)

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)																	
Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												B A L A N C E						
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P							
O C R #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022																		
1.1.1) Airframe/CFE <sup>(1)</sup>																																					
1	2017	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	0				
1	2018	NAVY	5 <sup>(11)</sup>	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
1	2019	NAVY	7	0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7					
1	2020	NAVY	6	0	6	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					
1	2021	NAVY	9	0	9														A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9			
1	2022	NAVY	11	0	11																														11		
1	2023	NAVY	12	0	12																															12	
1	2024	NAVY	15	0	15																																15
1.1.2) Engines <sup>(2)</sup>																																					
2	2017	NAVY	6	6	0																															0	
2	2018	NAVY	15	3	12	3	-	3	-	3	3																							0			
2	2019	NAVY	21	0	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	2	2	3	2	3	2	2	2	2	2	2				
2	2020	NAVY	18	0	18																															18	
2	2021	NAVY	24	0	24																															24	
2	2022	NAVY	33	0	33																															33	
2	2023	NAVY	36	0	36																															36	
2	2024	NAVY	45	0	45																															45	
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P														

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				B A L A N C E
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)																				B A L A N C E
Cost Elements (Units in Each)							Fiscal Year 2023												Fiscal Year 2024																					
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.1.1) Airframe/CFE <sup>(1)</sup>																															0									
1	2017	NAVY	2	2	0																													0						
1	2018	NAVY	5 <sup>(11)</sup>	1	4	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		0								
1	2019	NAVY	7	0	7	-	-	-	-	-	-	-	-	1	-	1	1	-	1	1	1	1	1										0							
1	2020	NAVY	6	0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2			0									
1	2021	NAVY	9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	1		1	1								
1	2022	NAVY	11	0	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11									
1	2023	NAVY	12	0	12																													12						
1	2024	NAVY	15	0	15																														15					
1.1.2) Engines <sup>(2)</sup>																															0									
2	2017	NAVY	6	6	0																														0					
2	2018	NAVY	15	15	0																														0					
2	2019	NAVY	21	19	2	2																												0						
2	2020	NAVY	18	0	18	-	-	-	-	-	6	3	3	3	3	3																0								
2	2021	NAVY	24	0	24	-	-	-	-	-	-	-	-	3	3	3	3	6	3	3	3	3									0									
2	2022	NAVY	33	0	33						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	-	3	24									
2	2023	NAVY	36	0	36						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36									
2	2024	NAVY	45	0	45						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45									
																															B A L A N C E									
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																	

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)										Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)														
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026															
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E				
1.1.1) Airframe/CFE <sup>(1)</sup>																															0			
1	2017	NAVY	2	2	0																												0	
1	2018	NAVY	5 <sup>(11)</sup>	5	0																												0	
1	2019	NAVY	7	7	0																												0	
1	2020	NAVY	6	6	0																												0	
1	2021	NAVY	9	8	1	1																											0	
1	2022	NAVY	11	0	11	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0			
1	2023	NAVY	12	0	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	1	2	1	2	1	-	2	0		
1	2024	NAVY	15	0	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	13		
1.1.2) Engines <sup>(2)</sup>																															0			
2	2017	NAVY	6	6	0																													0
2	2018	NAVY	15	15	0																												0	
2	2019	NAVY	21	21	0																												0	
2	2020	NAVY	18	18	0																												0	
2	2021	NAVY	24	24	0																												0	
2	2022	NAVY	33	9	24	3	-	6	3	-	3	3	3	6																		0		
2	2023	NAVY	36	0	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	6	3	6	3	-	6	3	0				
2	2024	NAVY	45	0	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	3	6	6	3	6	6	3	6	3	6	0			
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1								P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)											Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)																			
Cost Elements (Units in Each)							Fiscal Year 2027												Fiscal Year 2028												BALANCE							
O	M	F	R	#	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP					
C	O	R	E							Calendar Year 2027												Calendar Year 2028																
1.1.1) Airframe/CFE <sup>(1)</sup>																																						
1	2017	NAVY			2	2	0																														0	
1	2018	NAVY			5	<sup>(11)</sup>	0																													0		
1	2019	NAVY			7	7	0																														0	
1	2020	NAVY			6	6	0																														0	
1	2021	NAVY			9	9	0																														0	
1	2022	NAVY			11	11	0																														0	
1	2023	NAVY			12	12	0																														0	
1	2024	NAVY			15	2	13	1	2	2	1	2	2	1	2																				0			
1.1.2) Engines <sup>(2)</sup>																																				0		
2	2017	NAVY			6	6	0																															0
2	2018	NAVY			15	15	0																															0
2	2019	NAVY			21	21	0																														0	
2	2020	NAVY			18	18	0																														0	
2	2021	NAVY			24	24	0																														0	
2	2022	NAVY			33	33	0																														0	
2	2023	NAVY			36	36	0																														0	
2	2024	NAVY			45	45	0																														0	
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BALANCE							

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Exhibit P-21, Production Schedule: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0158 / CH-53K (Heavy Lift)					Item Number / Title [DODIC]: 1 / CH-53K (Heavy Lift)				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Sikorsky A/C Corp - Stratford, CT	3	3	16	0	10	50	60	0	19	38	57
2	General Electric Company - Lynn, MA			TBD	0	13	21	34	0	1	32	33

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(11) One FY18/Lot 2 aircraft delivery is currently projected for April 2024 due to isolated fuselage damage and associated timeframe required for correction. The P-21 delivery schedule for Lot 2 has been extended in order to reflect this delivery.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft						<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)											
<b>Program Elements for Code B Items:</b> 0605212N						<b>Other Related Program Elements:</b> N/A											
<b>Line Item MDAP/MAIS Code:</b> 390																	
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>					
Gross/Weapon System Cost (\$ in Millions)	727.165	182.903	341.692	456.567	-	456.567	429.813	495.461	510.606	520.823	510.018	4,175.048					
Net Procurement (P-1) (\$ in Millions)	727.165	182.903	341.692	456.567	-	456.567	429.813	495.461	510.606	520.823	510.018	4,175.048					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>727.165</b>	<b>182.903</b>	<b>341.692</b>	<b>456.567</b>	-	<b>456.567</b>	<b>429.813</b>	<b>495.461</b>	<b>510.606</b>	<b>520.823</b>	<b>510.018</b>	<b>4,175.048</b>					

**Description:**

The CH-53 is the only marinized heavy-lift helicopter in the world and is the Marine Corps only heavy-lift helicopter. The CH-53 mission is the conduct of expeditionary heavy-lift assault transport of armored vehicles, equipment and personnel to support distributed operations deep inland from a sea-based center of operations. The CH-53E "Super Stallion", introduced in 1980, has developed performance degradation, fatigue life, interoperability, maintenance supportability, and other operational concerns.

The CH-53K "King Stallion" is designed to address these concerns and support Marine Air-Ground Task Force heavy-lift requirements in the 21st century joint environment, and is the only heavy-lift platform that can lift the Marine Air-Ground Task Force ashore. The CH-53K provides significant improvements in range and payload, performance, cargo handling, turn-around times, reliability and maintainability, interoperability and survivability.

The CH-53K System Development and Demonstration program received a successful Milestone C decision on 4 April 2017. The CH-53K Production program received approval on 22 December 2022 to proceed to Full Rate Production.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy						Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity:			P-1 Line Item Number / Title:								
1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft			0158 / CH-53K (Heavy Lift)								
Program Elements for Code B Items: 0605212N			Other Related Program Elements: N/A								
Line Item MDAP/MAIS Code: 390											
Exhibits Schedule			Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total			
Exhibit Type	Title*	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)			
P-10	1 / CH-53K (Heavy Lift)			29 / 727.165	11 / 182.903	12 / 341.692	15 / 456.567	- / -			
P-40	Total Gross/Weapon System Cost			<b>29 / 727.165</b>	<b>11 / 182.903</b>	<b>12 / 341.692</b>	<b>15 / 456.567</b>	<b>- / -</b>			

\*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY 2024 Advanced Procurement (AP) is required for long-lead materials associated with the procurement of Full Rate Production (FRP) Lot 9 (quantity 21) in FY 2025.

AP is used to procure long-lead materials and aircraft components with an extended production lead-time. These long-lead requirements are essential to establishing and maintaining a production schedule in support of the Marine Aviation Plan and Marine Air-Ground Task Force CH-53E replacement schedule.

Procurement of long-lead items is determined based upon component lead time and the need date for those materials incorporation into the production line build sequence. As such, not all aircraft being procured in a given lot require AP funding. Due to the level of detail now captured in this exhibit, AP requirements will need to be adjusted more frequently as the impact of factors such as inflation, additional production capacity, and shorter build times become known.

Full funding for every end item requesting advance procurement is included in the budget submission.

Enacted rescission of \$89.583M to FY 2020 Advanced Procurement is not reflected on the P-40 exhibit; however, it has been identified on the P-10, captured within the Congressional Rescissions Enacted cost element.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)			<b>P-5 Number / Title:</b> 1 / CH-53K (Heavy Lift)
<b>First System (2024) Award Date:</b> February 2023		<b>First System (2024) Completion Date:</b> June 2025		<b>Interval Between Systems:</b> 1 Months	
CH-53K (Heavy Lift)	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity		29	11	12	15
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
FY17 Long Lead	0	31.253	-	-	-
FY18 Long Lead	0	55.566	-	-	-
FY19 Long Lead	0	127.024	-	-	-
FY20 Long Lead	0	107.354	-	-	-
FY21 Long Lead	0	125.431	-	-	-
FY22 Long Lead	0	155.241	-	-	-
FY23 Long Lead - FWD Fuselage Structural Assembly (†)	0	-	83.690	-	-
FY23 Long Lead - Transition Structural Assembly (†)	0	-	25.425	-	-
FY23 Long Lead - Tail Pylon Assembly (†)	0	-	14.989	-	-
FY23 Long Lead - Other General Procurements/ Subassembly Components (8)	0	-	17.670	-	-
FY24 Long Lead - FWD Fuselage Structural Assembly (†)	0	-	-	96.633	-
FY24 Long Lead - Transition Structural Assembly (†)	0	-	-	29.357	-
FY24 Long Lead - Tail Pylon Assembly (†)	0	-	-	15.576	-
FY24 Long Lead - Collective/Cyclic Inceptors (†)	0	-	-	10.340	-
FY24 Long Lead - Landing Gear Assembly (Nose & Mains) (†)	0	-	-	9.580	-
FY24 Long Lead - Rotary Wing Head Damper/Hub Assembly (†)	0	-	-	8.747	-
FY24 Long Lead - Main Rotor Servo (†)	0	-	-	7.711	-
FY24 Long Lead - APU Engine Assembly (†)	0	-	-	5.376	-
FY24 Long Lead - Hub Subassembly Forgings (†)	0	-	-	4.463	-

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)		
<b>First System (2024) Award Date:</b> February 2023		<b>First System (2024) Completion Date:</b> June 2025		
<b>Cost Elements</b>	<b>When Required (Months)</b>	<b>Prior Years (\$ M)</b>	<b>FY 2022 (\$ M)</b>	<b>FY 2023 (\$ M)</b>
FY24 Long Lead - Other General Procurements/Subassembly Parts	0	-	-	80.466
FY25 Long Lead - FWD Fuselage Structural Assembly (†)	0	-	-	123.332
FY25 Long Lead - Transition Structural Assembly (†)	0	-	-	37.467
FY25 Long Lead - Tail Pylon Assembly (†)	0	-	-	19.880
FY25 Long Lead - Collective/Cyclic Inceptors (†)	0	-	-	13.197
FY25 Long Lead - Landing Gear Assembly (Nose & Mains) (†)	0	-	-	12.227
FY25 Long Lead - Rotary Wing Head Damper/Hub Assembly (†)	0	-	-	11.164
FY25 Long Lead - Main Rotor Servo (†)	0	-	-	9.841
FY25 Long Lead - APU Engine Assembly (†)	0	-	-	6.861
FY25 Long Lead - Hub Subassembly Forgings (†)	0	-	-	5.697
FY25 Long Lead - Other General Procurements/Subassembly Parts	0	-	-	123.168
<b>Total: CFE</b>		<b>601.869</b>	<b>141.774</b>	<b>268.249</b>
<b>GFE</b>				
GFE - Miscellaneous	0	35.713	-	-
FY23 Long Lead GFE - APR39D(V)2 Radar Target Data Processor (†)	0	-	9.059	-
FY23 Long Lead GFE - APR39D(V)2 Radar Receiver (†)	0	-	2.150	-
FY23 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) (9) (†)	0	-	14.434	-
FY23 Long Lead GFE - Advance Threat Warning Sensor (ATW) (†)	0	-	8.174	-
FY23 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) (10) (†)	0	-	4.532	-

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)		
<b>First System (2024) Award Date:</b> February 2023		<b>First System (2024) Completion Date:</b> June 2025		
<b>Cost Elements</b>	<b>When Required (Months)</b>	<b>Prior Years (\$ M)</b>	<b>FY 2022 (\$ M)</b>	<b>FY 2023 (\$ M)</b>
FY23 Long Lead GFE - Other General Procurements/Subassembly Parts (11)	0	-	2.780	-
FY24 Long Lead GFE - APR39D(V)2 Radar Target Data Processor (†)	0	-	-	15.145
FY24 Long Lead GFE - APR39D(V)2 Radar Receiver (†)	0	-	-	4.208
FY24 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) (†)	0	-	-	20.274
FY24 Long Lead GFE - Advance Threat Warning Sensor (ATW) (†)	0	-	-	12.860
FY24 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) (†)	0	-	-	7.482
FY24 Long Lead GFE - Other General Procurements/Subassembly Parts	0	-	-	13.474
FY25 Long Lead GFE - APR39D(V)2 Radar Target Data Processor (†)	0	-	-	19.330
FY25 Long Lead GFE - APR39D(V)2 Radar Receiver (†)	0	-	-	5.370
FY25 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) (†)	0	-	-	25.876
FY25 Long Lead GFE - Advance Threat Warning Sensor (ATW) (†)	0	-	-	16.412
FY25 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) (†)	0	-	-	9.549
FY25 Long Lead GFE - Other General Procurements/Subassembly Parts	0	-	-	17.196
Congressional Rescissions Enacted (12)	0	89.583	-	-
<b>Total: GFE</b>		<b>125.296</b>	<b>41.129</b>	<b>73.443</b>
<b>Total Advance Procurement/Obligation Authority</b>		<b>727.165</b>	<b>182.903</b>	<b>341.692</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date: March 2023</b>			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)				<b>P-5 Number / Title:</b> 1 / CH-53K (Heavy Lift)	
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>FY 2024</b>					
		<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>	<b>For FY</b>	<b>Total Cost Request (\$ M)</b>
<b>CFE</b>							
FY17 Long Lead	0						-
FY18 Long Lead	0						-
FY19 Long Lead	0						-
FY20 Long Lead	0						-
FY21 Long Lead	0						-
FY22 Long Lead	0						-
FY23 Long Lead - FWD Fuselage Structural Assembly (†)	0						-
FY23 Long Lead - Transition Structural Assembly (†)	0						-
FY23 Long Lead - Tail Pylon Assembly (†)	0						-
FY23 Long Lead - Other General Procurements/Subassembly Components (8)	0						-
FY24 Long Lead - FWD Fuselage Structural Assembly (†)	0						-
FY24 Long Lead - Transition Structural Assembly (†)	0						-
FY24 Long Lead - Tail Pylon Assembly (†)	0						-
FY24 Long Lead - Collective/Cyclic Inceptors (†)	0						-
FY24 Long Lead - Landing Gear Assembly (Nose & Mains) (†)	0						-
FY24 Long Lead - Rotary Wing Head Damper/Hub Assembly (†)	0						-
FY24 Long Lead - Main Rotor Servo (†)	0						-
FY24 Long Lead - APU Engine Assembly (†)	0						-
FY24 Long Lead - Hub Subassembly Forgings (†)	0						-
FY24 Long Lead - Other General Procurements/Subassembly Parts	0						-
FY25 Long Lead - FWD Fuselage Structural Assembly (†)	0	31	8,222.133	Jan 2024	15		123.332
FY25 Long Lead - Transition Structural Assembly (†)	0	29	2,497.800	Jan 2024	15		37.467
FY25 Long Lead - Tail Pylon Assembly (†)	0	33	1,325.333	Jan 2024	15		19.880
FY25 Long Lead - Collective/Cyclic Inceptors (†)	0	25	879.800	Jan 2024	15		13.197

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>					<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)			<b>P-5 Number / Title:</b> 1 / CH-53K (Heavy Lift)		
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>FY 2024</b>					
		<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>	<b>For FY</b>	<b>Total Cost Request (\$ M)</b>
FY25 Long Lead - Landing Gear Assembly (Nose & Mains) <sup>(†)</sup>	0	28	815.133	Jan 2024	15		12.227
FY25 Long Lead - Rotary Wing Head Damper/Hub Assembly <sup>(†)</sup>	0	25	744.267	Jan 2024	15		11.164
FY25 Long Lead - Main Rotor Servo <sup>(†)</sup>	0	22	656.067	Jan 2024	15		9.841
FY25 Long Lead - APU Engine Assembly <sup>(†)</sup>	0	21	762.333	Jan 2024	9		6.861
FY25 Long Lead - Hub Subassembly Forgings <sup>(†)</sup>	0	28	379.800	Jan 2024	15		5.697
FY25 Long Lead - Other General Procurements/Subassembly Parts	0						123.168
<i>Total: CFE</i>							362.834
<b>GFE</b>							
GFE - Miscellaneous	0						-
FY23 Long Lead GFE - APR39D(V)2 Radar Target Data Processor <sup>(†)</sup>	0						-
FY23 Long Lead GFE - APR39D(V)2 Radar Receiver <sup>(†)</sup>	0						-
FY23 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) <sup>(9)</sup> <sup>(†)</sup>	0						-
FY23 Long Lead GFE - Advance Threat Warning Sensor (ATW) <sup>(†)</sup>	0						-
FY23 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) <sup>(10)</sup> <sup>(†)</sup>	0						-
FY23 Long Lead GFE - Other General Procurements/Subassembly Parts <sup>(11)</sup>	0						-
FY24 Long Lead GFE - APR39D(V)2 Radar Target Data Processor <sup>(†)</sup>	0						-
FY24 Long Lead GFE - APR39D(V)2 Radar Receiver <sup>(†)</sup>	0						-
FY24 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) <sup>(†)</sup>	0						-
FY24 Long Lead GFE - Advance Threat Warning Sensor (ATW) <sup>(†)</sup>	0						-
FY24 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) <sup>(†)</sup>	0						-
FY24 Long Lead GFE - Other General Procurements/Subassembly Parts	0						-
FY25 Long Lead GFE - APR39D(V)2 Radar Target Data Processor <sup>(†)</sup>	0	18	920.476	Feb 2024	21		19.330
FY25 Long Lead GFE - APR39D(V)2 Radar Receiver <sup>(†)</sup>	0	18	85.238	Feb 2024	63		5.370

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>					<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0158 / CH-53K (Heavy Lift)				<b>P-5 Number / Title:</b> 1 / CH-53K (Heavy Lift)
<b>FY 2024</b>					
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>
FY25 Long Lead GFE - DIRCM Guardian Laser Transmitter Asy (GLTA) <sup>(†)</sup>	0	18	616.095	Jan 2024	42
FY25 Long Lead GFE - Advance Threat Warning Sensor (ATW) <sup>(†)</sup>	0	18	156.305	Jan 2024	105
FY25 Long Lead GFE - LAIRCM System Processor Replacement (LSPR) <sup>(†)</sup>	0	18	454.714	Apr 2024	21
FY25 Long Lead GFE - Other General Procurements/Subassembly Parts	0				
Congressional Rescissions Enacted <sup>(12)</sup>	0				
<b>Total: GFE</b>					<b>93.733</b>
<b>Total Advance Procurement/Obligation Authority</b>					<b>456.567</b>

**Description:**

The AP will be used to procure long-lead materials and aircraft components with an extended production lead-time. These long-lead requirements are essential to establishing and maintaining a production schedule in support of the Marine Aviation Plan and Marine Air-Ground Task Force CH-53E replacement schedule.

Procurement of long-lead items is determined based upon need dates for materials/components incorporation into the production line build sequence.

CFE procurements include: various airframe components, forgings and castings, and raw materials (Titanium).

GFE procurements include: various communication, navigation and survivability components.

Distribution of funding between long-lead CFE and GFE elements continues to evolve as program matures and production lead-times are realized.

Long-lead list is subject to change based on lead-time changes and pricing negotiations.

(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

**Footnotes:**

(8) Other General Procurements: Multiple subassembly components with various lead-times in excess of 12 months.

(9) Directional Infrared Countermeasures (DIRCM)

(10) Large Aircraft Infrared Countermeasures (LAIRCM)

(11) Other General Procurements: Multiple subassembly components with various lead-times in excess of 12 months.

(12) Congressional Rescissions Enacted captures the \$89.583M FY 2020 rescission to CH-53K Advanced Procurement. Future budget submissions will reflect the correct enacted FY 2020 Advanced Procurement amount.

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft										<b>P-1 Line Item Number / Title:</b> 0164 / V-22 (Medium Lift)					
<b>ID Code (A=Service Ready, B=Not Service Ready): A</b>										<b>Program Elements for Code B Items: N/A</b>					
<b>Line Item MDAP/MAIS Code:</b> 212															
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>			
Procurement Quantity ( <i>Units in Each</i> )	391	12	5	-	-	-	-	-	-	-	-	408			
Gross/Weapon System Cost (\$ in Millions)	33,539.444	1,098.263	508.700	27.216	0.000	27.216	59.986	50.735	0.000	0.000	-	35,284.344			
Less PY Advance Procurement (\$ in Millions)	1,674.876	24.337	-	-	-	-	-	-	-	-	-	1,699.213			
Net Procurement (P-1) (\$ in Millions)	31,864.568	1,073.926	508.700	27.216	0.000	27.216	59.986	50.735	0.000	0.000	-	33,585.131			
Plus CY Advance Procurement (\$ in Millions)	1,699.213	-	-	-	-	-	-	-	-	-	-	1,699.213			
<b>Total Obligation Authority (\$ in Millions)</b>	<b>33,563.781</b>	<b>1,073.926</b>	<b>508.700</b>	<b>27.216</b>	<b>0.000</b>	<b>27.216</b>	<b>59.986</b>	<b>50.735</b>	<b>0.000</b>	<b>0.000</b>	-	<b>35,284.344</b>			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)	-	15.627	26.461	30.562	-	30.562	47.519	62.957	39.862	41.254	830.459	1,094.701			
Flyaway Unit Cost (\$ in Thousands)	74,742.010	83,714.667	101,028.400	-	-	-	-	-	-	-	-	75,653.735			
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-			
<b>Description:</b>															
The V-22 is a tilt-rotor vertical takeoff and landing aircraft currently being produced for joint service application. The program provides an aircraft to meet the amphibious/vertical assault needs of the United States Marine Corps (USMC), the Carrier Onboard Delivery (COD) needs of the United States Navy (USN), and supplements United States Special Operations Command (USSOCOM) special mission aircraft. The aircraft is capable of flying 2,100 miles with one refueling, and gives the Services the advantage of a Vertical/Short Takeoff and Landing (V/STOL) aircraft that can rapidly self-deploy to any location in the world.															
The current procurement objective is 464: 360 MV-22 USMC aircraft, 48 CMV-22 USN aircraft, and 56 CV-22 aircraft for USSOCOM (funded by USSOCOM and the United States Air Force). The program successfully completed Milestone III in the 1st Quarter of 2006, and Initial Operational Capability (IOC) in March of 2007.															
The USMC Program of Record (POR) for MV-22 aircraft quantities remains 360. The USN POR for CMV-22 aircraft quantities remains 48.															

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0164 / V-22 (Medium Lift)						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A				<b>Program Elements for Code B Items:</b> N/A						
<b>Line Item MDAP/MAIS Code:</b> 212										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>			
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	1 / 0164 MV-22	P-5a, P-21			350 / 29,710.136	9 / 800.831	1 / 100.000	- / 19.166	- / 0.000	- / 19.166
P-5	2 / 0164 CMV-22	P-5a, P-21			41 / 3,829.308	3 / 297.432	4 / 408.700	- / 8.050	- / 0.000	- / 8.050
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>391 / 33,539.444</b>	<b>12 / 1,098.263</b>	<b>5 / 508.700</b>	<b>- / 27.216</b>	<b>- / 0.000</b>	<b>- / 27.216</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY 2024 budget request for MV-22 and CMV-22 Production Line Shutdown and Production Engineering Support for government production-related engineering operations support through delivery of the final Lot 27/FY 2023 aircraft. Production Line Shutdown for MV-22 and CMV-22 begins in FY 2024 to include material, tooling, and special test equipment disposition, technical data procurements or disposition, and storage requirements.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>												<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0164 / V-22 (Medium Lift)									<b>Item Number / Title [DODIC]:</b> 1 / 0164 MV-22								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>						
Procurement Quantity ( <i>Units in Each</i> )						350		9		1		-		-		-				
Gross/Weapon System Cost (\$ in Millions)						29,710.136		800.831		100.000		19.166		0.000		19.166				
Less PY Advance Procurement (\$ in Millions)						1,585.460		17.952		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)						28,124.676		782.879		100.000		19.166		0.000		19.166				
Plus CY Advance Procurement (\$ in Millions)						1,603.412		-		-		-		-		-				
<b>Total Obligation Authority</b> (\$ in Millions)						<b>29,728.088</b>		<b>782.879</b>		<b>100.000</b>		<b>19.166</b>		<b>0.000</b>		<b>19.166</b>				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares (\$ in Millions)						-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)						84,886.103		88,981.222		100,000.000		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																				
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>				
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)		
Flyaway Cost																				
Recurring Cost																				
1.1.1) Airframe/CFE <sup>(†)</sup> (1)	64,476.871	350	22,566.905	76,006.195	9	684.056	90,644.199	1	90.644	-	-	0.000	-	-	0.000	-	-	0.000		
1.1.2) GFE Electronics	-	-	313.325	-	-	9.532	-	-	2.549	-	-	0.000	-	-	0.000	-	-	0.000		
1.1.3) Engines/Eng Acc <sup>(†)</sup> (2)	2,099.231	700	1,469.462	2,553.976	18	45.972	2,684.228	2	5.368	-	-	0.000	-	-	0.000	-	-	0.000		
1.1.4) Other GFE	-	-	65.304	-	-	5.209	-	-	0.410	-	-	0.000	-	-	0.000	-	-	0.000		
1.1.5) Recurring Flyaway ECO	-	-	164.207	-	-	0.196	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000		
<i>Subtotal: Recurring Cost</i>	-	-	<i>24,579.203</i>	-	-	<i>744.965</i>	-	-	<i>98.971</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>		
Non Recurring Cost																				
1.2.1) Non-Recurring Cost	-	-	873.315	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000		
1.2.2) Production Line Shutdown	-	-	0.000	-	-	0.000	-	-	0.000	-	-	18.095	-	-	0.000	-	-	18.095		
1.2.3) Ancillary Equipment	-	-	156.824	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000		
1.2.4) Other	-	-	293.844	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000		
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>1,323.983</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>18.095</i>	-	-	<i>0.000</i>	-	-	<i>18.095</i>		
<i>Subtotal: Flyaway Cost</i>	-	-	<i>25,903.186</i>	-	-	<i>744.965</i>	-	-	<i>98.971</i>	-	-	<i>18.095</i>	-	-	<i>0.000</i>	-	-	<i>18.095</i>		
Support Cost																				
2.1) Airframe PGSE	-	-	466.614	-	-	10.103	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0164 / V-22 (Medium Lift)								<b>Item Number / Title [DODIC]:</b> 1 / 0164 MV-22													
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>													
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>									
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>							
2.2) Engine PGSE	-	-	39.141	-	-	1.538	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000							
2.3) Avionics PGSE	-	-	240.872	-	-	0.777	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000							
2.4) Pec Trng Eq	-	-	443.832	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000							
2.5) Pub/Tech Eq	-	-	112.482	-	-	1.591	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000							
2.6) Prod Eng Supt <sup>(3)</sup>	-	-	1,238.596	-	-	25.503	-	-	1.029	-	-	1.071	-	-	0.000	-	-	1.071							
2.7) Other ILS	-	-	1,034.013	-	-	16.354	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000							
2.8) Common SE	-	-	231.400	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000							
<i>Subtotal: Support Cost</i>	-	-	<b>3,806.950</b>	-	-	<b>55.866</b>	-	-	<b>1.029</b>	-	-	<b>1.071</b>	-	-	<b>0.000</b>	-	-	<b>1.071</b>							
<b>Gross/Weapon System Cost</b>	<b>84,886.103</b>	<b>350</b>	<b>29,710.136</b>	<b>88,981.222</b>	<b>9</b>	<b>800.831</b>	<b>100,000.000</b>	<b>1</b>	<b>100.000</b>	-	-	<b>19.166</b>	-	-	<b>0.000</b>	-	-	<b>19.166</b>							

(†) indicates the presence of a P-5a

**Footnotes:**

(1) FY 2022, the last year of production on Multiyear Procurement III contract, procures 9 MV-22 aircraft. FY 2023 procures one MV-22 aircraft as a result of Congressional Add completing POR.

(2) Engines/Eng Acc: FY 2022 unit costs are based off new delivery order pricing per quantities procured.

(3) Production Engineering Support (PES): FY 2023-2025 funds government production-related engineering operations and support through delivery of the final Lot 27/FY 2023 aircraft.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)				Item Number / Title [DODIC]: 1 / 0164 MV-22					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2019	Bell Boeing / Amarillo, TX	SS / FFP	NAVAIR	Dec 2018	Oct 2022	2	71,102.000	Y		Jul 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	Bell Boeing / Amarillo, TX	SS / FFP	NAVAIR	Feb 2020	Nov 2023	2	76,651.500	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2020	Apr 2023	3	76,332.931	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2021	Dec 2023	9	76,006.195	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2023 <sup>(4)</sup>	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Mar 2023	Sep 2025	1	90,644.199	Y		Dec 2022
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2019	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	4	2,275.000	Y		Dec 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2020	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	4	2,208.308	Y		Dec 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2021	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	6	2,208.308	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2022	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2022	Mar 2023	18	2,553.976	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2023	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jul 2023	Sep 2024	2	2,684.228	Y		Apr 2016

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(4)</sup> FY 2023 UCA initial award March 2023. Contract definitization date March 2024.

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)											Item Number / Title [DODIC]: 1 / 0164 MV-22																		
Cost Elements (Units in Each)							Fiscal Year 2019												Fiscal Year 2020																				
O C R O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E								
1.1.1) Airframe/CFE <sup>(1)</sup>																																							
Prior Years Deliveries: 343																																							
1	2019	NAVY		2 <sup>(5)</sup>	0	2		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2					
1	2020	NAVY		2 <sup>(6)</sup>	0	2																																2	
1	2021	NAVY		3	0	3																																3	
1	2021	AF <sup>(‡)</sup>		1	0	1																																1	
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>4</b>	<b>0</b>	<b>4</b>																															<b>4</b>		
1	2022	NAVY		9 <sup>(7)</sup>	0	9																																	9
1	2023	NAVY		1	0	1																																	1
1.1.3) Engines/Eng Acc <sup>(2)</sup>																																							
Prior Years Deliveries: 686																																					4		
2	2019	NAVY		4	0	4																																	4
2	2020	NAVY		4 <sup>(8)</sup>	0	4																																	4
2	2021	NAVY		6	0	6																																	6
2	2022	NAVY		18	0	18																																	18
2	2023	NAVY		2	0	2																																	2
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																																																									
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)											Item Number / Title [DODIC]: 1 / 0164 MV-22																																																									
Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												B A L A N C E																																															
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																																	
O C R O #	FY					Calendar Year 2021												Calendar Year 2022																																																												
1.1.1) Airframe/CFE <sup>(1)</sup>																																																																														
Prior Years Deliveries: 343																																																																														
1	2019	NAVY	2 <sup>(5)</sup>	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2																																													
1	2020	NAVY	2 <sup>(6)</sup>	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2																																													
1	2021	NAVY	3	0	3	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3																																													
1	2021	AF <sup>(‡)</sup>	1	0	1	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1																																													
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>4</b>	<b>0</b>	<b>4</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>4</b>																																															
1	2022	NAVY	9 <sup>(7)</sup>	0	9	A -												A -												-				9																																												
1	2023	NAVY	1	0	1																													1																																												
1.1.3) Engines/Eng Acc <sup>(2)</sup>																																																																														
Prior Years Deliveries: 686																																			0																																											
2	2019	NAVY	4	0	4	A -												2												-				0																																												
2	2020	NAVY	4 <sup>(8)</sup>	0	4	A -												2												-				0																																												
2	2021	NAVY	6	0	6	A -												2												-				0																																												
2	2022	NAVY	18	0	18																													18																																												
2	2023	NAVY	2	0	2																													2																																												
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																																							

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity:																				P-1 Line Item Number / Title:																
1506N / 01 / 1																				Item Number / Title [DODIC]:																
1 / 0164 MV-22																																				
Cost Elements (Units in Each)																				Fiscal Year 2023																
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	Calendar Year 2023																				Fiscal Year 2024										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E						
1.1.1) Airframe/CFE <sup>(1)</sup>																																				
Prior Years Deliveries: 343																																				
1	2019	NAVY	2 <sup>(5)</sup>	0	2	1	1																									0				
1	2020	NAVY	2 <sup>(6)</sup>	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1									0						
1	2021	NAVY	3	0	3	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0						
1	2021	AF <sup>(‡)</sup>	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						
1	2021	Total	4	0	4	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1						
1	2022	NAVY	9 <sup>(7)</sup>	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	-	-	-	-	-	4						
1	2023	NAVY	1	0	1							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
1.1.3) Engines/Eng Acc <sup>(2)</sup>																																				
Prior Years Deliveries: 686																																0				
2	2019	NAVY	4	4	0																											0				
2	2020	NAVY	4 <sup>(8)</sup>	4	0																											0				
2	2021	NAVY	6	6	0																											0				
2	2022	NAVY	18	0	18	-	-	-	-	-	2	-	2	-	-	2	-	2	-	2	-	2	-	2	-	2	-	2	-	0						
2	2023	NAVY	2	0	2							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2						

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)										Item Number / Title [DODIC]: 1 / 0164 MV-22																			
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026																				
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE <sup>(1)</sup>																																							
Prior Years Deliveries: 343																																							
1	2019	NAVY	2 <sup>(5)</sup>	2	0																																0		
1	2020	NAVY	2 <sup>(6)</sup>	2	0																														0				
1	2021	NAVY	3	3	0	-	-	-																													0		
1	2021	AF <sup>(‡)</sup>	1	0	1	-	-	-																												0			
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>4</b>	<b>3</b>	<b>1</b>	-	-	<b>1</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>						
1	2022	NAVY	9 <sup>(7)</sup>	5	4	-	-	-	1	1	1	1																											0
1	2023	NAVY	1	0	1	-	-	-	-	-	-	-																										0	
1.1.3) Engines/Eng Acc <sup>(2)</sup>																																							
Prior Years Deliveries: 686																																							
2	2019	NAVY	4	4	0																																0		
2	2020	NAVY	4 <sup>(8)</sup>	4	0																															0			
2	2021	NAVY	6	6	0																															0			
2	2022	NAVY	18	18	0																															0			
2	2023	NAVY	2	2	0																															0			

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Exhibit P-21, Production Schedule: PB 2024 Navy									Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)						Item Number / Title [DODIC]: 1 / 0164 MV-22			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Bell Boeing - Amarillo, TX	6	10	44	19	3	24	27	0	2	24	26
2	Allison Engine Co. (Rolls Royce) - Indianapolis, IN			88	9	3	14	17	3	3	14	17

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(5) FY 2019 Overseas Contingency Operations (OCO) MV-22 aircraft procured with Lot 23 CMV-22 contract will deliver with Lot 25.

(6) FY 2020 Congressional Add MV-22 aircraft procured will deliver with Lot 25.

(7) FY 2022 Congressional Add MV-22 aircraft procured will deliver with Lot 26.

(8) FY 2020 Congressional Add MV-22 engines will deliver with Lot 25.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0164 / V-22 (Medium Lift)									<b>Item Number / Title [DODIC]:</b> 2 / 0164 CMV-22					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>			
Procurement Quantity ( <i>Units in Each</i> )							41			3			4			-	-	
Gross/Weapon System Cost (\$ in Millions)							3,829.308			297.432			408.700			8.050	0.000	8.050
Less PY Advance Procurement (\$ in Millions)							89.416			6.385			-			-	-	-
Net Procurement (P-1) (\$ in Millions)							3,739.892			291.047			408.700			8.050	0.000	8.050
Plus CY Advance Procurement (\$ in Millions)							95.801			-			-			-	-	-
<b>Total Obligation Authority</b> (\$ in Millions)							<b>3,835.693</b>			<b>291.047</b>			<b>408.700</b>			<b>8.050</b>	<b>0.000</b>	<b>8.050</b>
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)							-			-			-			-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)							93,397.756			99,144.000			102,175.000			-	-	-
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE <sup>(†)</sup> (9)	73,287.829	41	3,004.801	77,092.702	3	231.278	93,219.795	4	372.879	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) GFE Electronics	-	-	72.853	-	-	2.886	-	-	10.176	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) Engines/Eng Acc <sup>(†)</sup> (10)	2,193.110	82	179.835	2,553.976	6	15.324	2,684.228	8	21.474	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) Other GFE	-	-	10.459	-	-	0.669	-	-	1.642	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) Recurring Flyaway ECO	-	-	14.229	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	<i>3,282.177</i>	-	-	<i>250.157</i>	-	-	<i>406.171</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>
Non Recurring Cost																		
1.2.1) Non-Recurring Cost	-	-	25.954	-	-	5.829	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.2.2) Production Line Shutdown	-	-	0.000	-	-	0.000	-	-	0.000	-	-	7.300	-	-	0.000	-	-	7.300
1.2.3) Ancillary Equipment	-	-	12.809	-	-	3.625	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>38.763</i>	-	-	<i>9.454</i>	-	-	<i>0.000</i>	-	-	<i>7.300</i>	-	-	<i>0.000</i>	-	-	<i>7.300</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>3,320.940</i>	-	-	<i>259.611</i>	-	-	<i>406.171</i>	-	-	<i>7.300</i>	-	-	<i>0.000</i>	-	-	<i>7.300</i>
Support Cost																		
2.1) Airframe PGSE	-	-	85.921	-	-	1.316	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.2) Engine PGSE	-	-	8.904	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

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Exhibit P-5, Cost Analysis: PB 2024 Navy													Date: March 2023													
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)									Item Number / Title [DODIC]: 2 / 0164 CMV-22													
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:													
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																										
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total										
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)								
2.3) Avionics PGSE	-	-	11.087	-	-	0.436	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
2.4) Pec Trng Eq <sup>(11)</sup>	-	-	59.683	-	-	15.259	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
2.5) Pub/Tech Eq	-	-	1.189	-	-	0.161	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
2.6) Prod Eng Supt <sup>(12)</sup>	-	-	161.845	-	-	13.294	-	-	2.529	-	-	0.750	-	-	0.000	-	-	0.750								
2.7) Other ILS	-	-	179.739	-	-	7.355	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000								
<i>Subtotal: Support Cost</i>	-	-	<b>508.368</b>	-	-	<b>37.821</b>	-	-	<b>2.529</b>	-	-	<b>0.750</b>	-	-	<b>0.000</b>	-	-	<b>0.750</b>								
<b>Gross/Weapon System Cost</b>	<b>93,397.756</b>	<b>41</b>	<b>3,829.308</b>	<b>99,144.000</b>	<b>3</b>	<b>297.432</b>	<b>102,175.000</b>	<b>4</b>	<b>408.700</b>	<b>-</b>	<b>-</b>	<b>8.050</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>-</b>	<b>-</b>	<b>8.050</b>								

(†) indicates the presence of a P-5a

**Footnotes:**

(9) The CMV-22 aircraft is a modification of the MV-22 and will perform the COD mission and include: (1) external conformal fuel tanks to provide the capability to meet the range requirements that the COD mission demands, (2) a high frequency radio to transmit/receive beyond line of sight over water, (3) a public address system for use while transporting passengers, (4) improved cargo handling system, and (5) enhanced fuel jettison. FY 2022, the last year of production on Multiyear Procurement III contract, procures 3 CMV-22 aircraft. FY 2023 procures four CMV-22 aircraft as a result of Congressional Add completing POR.

(10) Engines/Eng Acc: FY 2022 unit costs are based off new delivery order pricing per quantities procured.

(11) Peculiar Training Equipment: A total of 4 Flight Training Devices (3 FTD/ 1 CFTD), 1 Interactive Cockpit Learning Environment (ICLE) device, 1 Cockpit Management System Part Task Trainer (CMS-PTT) device and Virtual Maintenance Training (VMT) devices are required. FY 2022 procurement includes 1 Containerized Flight Training Device.

(12) Production Engineering Support (PES): FY 2023-2024 funds government production-related engineering operations and support through delivery of the final Lot 27/FY 2023 aircraft.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)					Item Number / Title [DODIC]: 2 / 0164 CMV-22				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2018	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Jun 2018	Jan 2020	10	70,804.000	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2019	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Nov 2018	Nov 2020	11	71,961.273	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2019	Jun 2022	10	72,625.371	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2020	Jun 2023	10	77,893.341	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Dec 2021	Jun 2024	3	77,092.702	Y		Mar 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2023 <sup>(13)</sup>	Bell Boeing / Amarillo, TX	SS / FPIF	NAVAIR	Mar 2023	May 2025	4	93,219.795	Y		Mar 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2018	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	May 2018	Jul 2019	20	2,126.300	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2019	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2019	Mar 2020	22	2,275.091	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2020	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2020	Mar 2021	20	2,154.566	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2021	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2021	Mar 2022	20	2,208.300	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2022	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jan 2022	Mar 2023	6	2,553.976	Y		Apr 2016
1.1.3) Engines/Eng Acc <sup>(†)</sup>		2023	Allison Engine Co. (Rolls Royce) / Indianapolis, IN	SS / FFP	NAVAIR	Jul 2023	Sep 2024	8	2,684.228	Y		Apr 2016

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(13)</sup> FY 2023 UCA initial award March 2023. Contract definitization date March 2024.

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)										Item Number / Title [DODIC]: 2 / 0164 CMV-22																				
Cost Elements (Units in Each)							Fiscal Year 2018												Fiscal Year 2019																					
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Calendar Year 2018												Calendar Year 2019												B A L A N C E									
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.1.1) Airframe/CFE <sup>(9)</sup>																														10										
1	2018	NAVY		10 <sup>(14)</sup>	0	10																																		
1	2018	AF <sup>(‡)</sup>		1	0	1																											1							
<b>1</b>	<b>2018</b>	<b>Total</b>		<b>11</b>	<b>0</b>	<b>11</b>																									<b>11</b>									
1	2019	NAVY		11 <sup>(15)</sup>	0	11																										11								
1	2020	NAVY		10	0	10																										10								
1	2021	NAVY		10 <sup>(16)</sup>	0	10																										10								
1	2021	AF <sup>(‡)</sup>		2	0	2																										2								
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>12</b>	<b>0</b>	<b>12</b>																									<b>12</b>									
1	2022	NAVY		3	0	3																										3								
1	2023	NAVY		4	0	4																										4								
1.1.3) Engines/Eng Acc <sup>(10)</sup>																															14									
2	2018	NAVY		20	0	20																										2								
2	2019	NAVY		22 <sup>(17)</sup>	0	22																										22								
2	2020	NAVY		20	0	20																										20								
2	2021	NAVY		20	0	20																										20								
2	2022	NAVY		6	0	6																										6								
2	2023	NAVY		8	0	8																										8								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

**UNCLASSIFIED**

Exhibit P-21, Production Schedule: PB 2024 Navy											Date: March 2023																														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)											Item Number / Title [DODIC]: 2 / 0164 CMV-22																				
Cost Elements (Units in Each)							Fiscal Year 2020												Fiscal Year 2021																						
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												B A L A N C E										
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																		
1.1.1) Airframe/CFE <sup>(9)</sup>																																									
1	2018	NAVY	10 <sup>(14)</sup>	0	10	-	-	1	-	-	1	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	1	3	B A L A N C E												
1	2018	AF <sup>(‡)</sup>	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	0										
<b>1</b>	<b>2018</b>	<b>Total</b>	<b>11</b>	<b>0</b>	<b>11</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>3</b>											
1	2019	NAVY	11 <sup>(15)</sup>	0	11	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	3	1	1	-	4											
1	2020	NAVY	10	0	10	A -		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10												
1	2021	NAVY	10 <sup>(16)</sup>	0	10													A -	-	-	-	-	-	-	-	-	-	-	-	-	10										
1	2021	AF <sup>(‡)</sup>	2	0	2													A -	-	-	-	-	-	-	-	-	-	-	-	-	2										
<b>1</b>	<b>2021</b>	<b>Total</b>	<b>12</b>	<b>0</b>	<b>12</b>													-	-	-	-	-	-	-	-	-	-	-	-	<b>12</b>											
1	2022	NAVY	3	0	3																									3											
1	2023	NAVY	4	0	4																									4											
1.1.3) Engines/Eng Acc <sup>(10)</sup>																																									
2	2018	NAVY	20	6	14	2	2	2	2	2	2	2	2	2	2	2															0										
2	2019	NAVY	22 <sup>(17)</sup>	0	22	-	-	-	-	-	2	-	3	-	2	2	2	-	3	-	-	-	-	-	-	-	-	-	-	8											
2	2020	NAVY	20	0	20	A -		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3	2	2	2	2	7											
2	2021	NAVY	20	0	20													A -	-	-	-	-	-	-	-	-	-	-	-	-	20										
2	2022	NAVY	6	0	6																									6											
2	2023	NAVY	8	0	8													O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																																																																																															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1																				Item Number / Title [DODIC]: 2 / 0164 CMV-22																																																																																															
Cost Elements (Units in Each)																				Fiscal Year 2022																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">O C R O</th> <th rowspan="2">M F R #</th> <th rowspan="2">FY</th> <th rowspan="2">SERVICE</th> <th rowspan="2">PROC QTY</th> <th rowspan="2">ACCEPT PRIOR TO 1 OCT 2021</th> <th rowspan="2">BAL DUE AS OF 1 OCT</th> <th colspan="12">Calendar Year 2022</th> <th colspan="12">Calendar Year 2023</th> </tr> <tr> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>2018</td> <td>NAVY</td> <td>10<sup>(14)</sup></td> <td>7</td> <td>3</td> <td>-</td> <td>-</td> <td>3</td> <td></td> </tr> </tbody> </table>																			O C R O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022												Calendar Year 2023												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	1	2018	NAVY	10 <sup>(14)</sup>	7	3	-	-	3																								Fiscal Year 2023									
O C R O	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	Calendar Year 2022																			Calendar Year 2023																																																																																									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																																																																					
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1	2018	AF <sup>(‡)</sup>	1	1	0	-	-	-																						0																																																																																					
<b>1</b>	<b>2018</b>	<b>Total</b>	<b>11</b>	<b>8</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>																																																																																																	
1	2019	NAVY	11 <sup>(15)</sup>	7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4									0																																																																																						
1	2020	NAVY	10	0	10	-	-	-	-	-	-	-	-	-	-	2	-	-	2	1	-	2	-	1	1	1		0																																																																																							
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1	2021	AF <sup>(‡)</sup>	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2																																																																																							
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2	2019	NAVY	22 <sup>(17)</sup>	14	8	-	-	-	4	4																			0																																																																																						
2	2020	NAVY	20	13	7	2	3	-	2																				0																																																																																						
2	2021	NAVY	20	0	20	-	-	-	-	2	-	2	-	2	-	2	2	4	4	2								0																																																																																							
2	2022	NAVY	6	0	6		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	2	-	2	0																																																																																							
2	2023	NAVY	8	0	8			O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	8																																																																																			

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)										Item Number / Title [DODIC]: 2 / 0164 CMV-22																				
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025																					
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	Calendar Year 2024												Calendar Year 2025												B A L A N C E									
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.1.1) Airframe/CFE <sup>(9)</sup>																																								
1	2018	NAVY		10	<sup>(14)</sup>	0																									0									
1	2018	AF <sup>(‡)</sup>		1	1	0																									0									
<b>1</b>	<b>2018</b>	<b>Total</b>		<b>11</b>	<b>11</b>	<b>0</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>0</b>											
1	2019	NAVY		11	<sup>(15)</sup>	0																									0									
1	2020	NAVY		10	10	0																									0									
1	2021	NAVY		10	<sup>(16)</sup>	6	1	-	-	-	-	-	-	-	1	-	-	-	1	2	1	-							0											
1	2021	AF <sup>(‡)</sup>		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0												
<b>1</b>	<b>2021</b>	<b>Total</b>		<b>12</b>	<b>4</b>	<b>8</b>	<b>1</b>	-	-	-	-	-	-	-	<b>1</b>	-	-	-	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	-	-	-	-	-	-	<b>0</b>											
1	2022	NAVY		3	0	3	-	-	-	-	-	-	-	-	-	1	1	1												0										
1	2023	NAVY		4	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	0										
1.1.3) Engines/Eng Acc <sup>(10)</sup>																															0									
2	2018	NAVY		20	20	0																										0								
2	2019	NAVY		22	<sup>(17)</sup>	0																									0									
2	2020	NAVY		20	20	0																									0									
2	2021	NAVY		20	20	0																									0									
2	2022	NAVY		6	6	0																									0									
2	2023	NAVY		8	0	8	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2						0											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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Exhibit P-21, Production Schedule: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0164 / V-22 (Medium Lift)					Item Number / Title [DODIC]: 2 / 0164 CMV-22				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial			Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	
1	Bell Boeing - Amarillo, TX	6	10	44	19	3	17	20	0	2	24	26
2	Allison Engine Co. (Rolls Royce) - Indianapolis, IN			88	9	3	14	17	3	3	14	17

(†) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.  
 "A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(14) Final Lot 22 3 CMV-22 aircraft to delivery with Lot 23

(15) FY 2019 Congressional Add aircraft (4) contracted with Lot 23 will deliver with Lot 25.

(16) FY 2021 Congressional Add aircraft contracted with Lot 25 to deliver with Lot 26.

(17) FY 2019 engine procurement will have deliveries in Lot 24 and Lot 25. The engine contracts will be awarded in separate actions to meet delivery schedule.

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					<b>P-1 Line Item Number / Title:</b> 0178 / UH-1Y/AH-1Z												
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: 0604245N									
Line Item MDAP/MAIS Code: 101																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Procurement Quantity ( <i>Units in Each</i> )	349	-	-	-	-	-	-	-	-	-	-	349					
Gross/Weapon System Cost (\$ in Millions)	10,555.371	0.935	0.000	4.292	0.000	4.292	8.688	8.722	6.433	7.390	-	10,591.831					
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P-1) (\$ in Millions)	10,555.371	0.935	0.000	4.292	0.000	4.292	8.688	8.722	6.433	7.390	-	10,591.831					
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>10,555.371</b>	<b>0.935</b>	<b>0.000</b>	<b>4.292</b>	<b>0.000</b>	<b>4.292</b>	<b>8.688</b>	<b>8.722</b>	<b>6.433</b>	<b>7.390</b>	-	<b>10,591.831</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-					
Flyaway Unit Cost (\$ in Thousands)	26,006.587	-	-	-	-	-	-	-	-	-	-	26,108.378					
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-					
<b>Description:</b>																	
The mission of the AH-1Z attack helicopter is to provide rotary wing close air support, anti-armor, armed escort, armed/visual reconnaissance, anti-helicopter and point air defense and fire support coordination during day/night conditions. UH-1Y utility helicopter also provides command and control and combat assault support during day/night and reduced weather conditions. The UH-1Y/AH-1Z procurement strategy is to convert 37 AH-1W helicopters into AH-1Zs (complete), build 152 new AH-1Zs, remanufacture ten (10) H-1N helicopters into UH-1Ys (complete), and build 150 new UH-1Y models. The UH-1Y and AH-1Z share an 85 percent common footprint, which includes portions of maintenance planning, technical data, supply support, support equipment, facilities, and resources required at the intermediate and depot level maintenance activities for both structural and avionics items of repair.																	
The UH-1Y and AH-1Z include a new 4-bladed rotor system with semiautomatic blade fold of the new composite rotor blades, performance-matched transmissions, a new 4-bladed tail rotor and drive system, upgraded landing gear, and pylon structural modifications as compared to the legacy aircraft. Both aircraft also incorporate common, modernized, and fully integrated cockpits/avionics that will reduce operator work load and improve situational awareness and safety. The UH-1Y/AH-1Z aircraft have increased maneuverability, speed, and payload capability. Additionally, the AH-1Z upgrades the current AH-1W Night Targeting System (NTS) Forward Looking Infrared (FLIR) system to a 3rd generation, staring, focal plane array FLIR that significantly extends autonomous weapons engagement ranges.																	

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0178 / UH-1Y/AH-1Z					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 0604245N		
<b>Line Item MDAP/MAIS Code:</b> 101									
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	1 / UH-1Y				160 / 4,260.200	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-5	2 / AH-1Z				189 / 6,295.171	- / 0.935	- / 0.000	- / 4.292	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>349 / 10,555.371</b>	<b>- / 0.935</b>	<b>- / 0.000</b>	<b>- / 4.292</b>	<b>- / 0.000</b>
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									
<b>Justification:</b> FY2024 budget request begins Production Line Shutdown costs associated with Aircraft Contractor Furnished Equipment (CFE), Government Furnished Equipment/Government Furnished Property (GFE/GFP) which includes planning and administration of the physical disposition of tools and equipment, data transition, supplier close-out, government and contractor labor, tech data procurements, and storage requirements. The final domestic aircraft was delivered in September 2022, and final FMS aircraft will be delivered in December 2023.									

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0178 / UH-1Y/AH-1Z										<b>Item Number / Title [DODIC]:</b> 1 / UH-1Y									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>									
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>								
Procurement Quantity ( <i>Units in Each</i> )						160		-		-		-		-								
Gross/Weapon System Cost (\$ in Millions)						4,260.200		0.000		0.000		0.000		0.000								
Less PY Advance Procurement (\$ in Millions)						-		-		-		-		-								
Net Procurement (P-1) (\$ in Millions)						4,260.200		0.000		0.000		0.000		0.000								
Plus CY Advance Procurement (\$ in Millions)						-		-		-		-		-								
<b>Total Obligation Authority</b> (\$ in Millions)						<b>4,260.200</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>								
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares (\$ in Millions)						-		-		-		-		-								
Gross/Weapon System Unit Cost (\$ in Thousands)						26,626.250		-		-		-		-								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																						
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>						
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)				
Flyaway Cost																						
Recurring Cost																						
1.1.1) Airframe/CFE	18,086.725	160	2,893.876	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.1.2) GFE Electronics	-	-	314.204	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.1.3) Engines/Eng Acc (new)	553.597	248	137.292	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.1.4) Engines/Eng Acc (refurb)	386.472	72	27.826	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.1.5) Armament	-	-	1.526	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.1.6) Other GFE	-	-	46.235	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.1.7) ECO	-	-	65.878	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
<i>Subtotal: Recurring Cost</i>	-	-	<i>3,486.837</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>				
Non Recurring Cost																						
1.2.1) Non-Recur Cost	-	-	125.857	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
1.2.2) Ancillary Equip	-	-	14.815	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>140.672</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>				
<i>Subtotal: Flyaway Cost</i>	-	-	<i>3,627.509</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>				
Support Cost																						
2.1) Airframe PGSE	-	-	169.314	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
2.2) Pec trng Eq	-	-	117.373	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
2.3) Pub/Tech Eq	-	-	86.087	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				
2.4) Prod Eng Supt	-	-	136.620	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000				

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Exhibit P-5, Cost Analysis: PB 2024 Navy												Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z								Item Number / Title [DODIC]: 1 / UH-1Y											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total							
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)					
2.5) Other ILS	-	-	120.304	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
2.6) Reclamation	-	-	2.993	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
<i>Subtotal: Support Cost</i>	-	-	<b>632.691</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>					
Gross/Weapon System Cost	<b>26,626.250</b>	<b>160</b>	<b>4,260.200</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>					

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0178 / UH-1Y/AH-1Z										<b>Item Number / Title [DODIC]:</b> 2 / AH-1Z								
<b>ID Code (A=Service Ready, B=Not Service Ready) :</b>													<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>							
Procurement Quantity ( <i>Units in Each</i> )						189		-		-		-		-							
Gross/Weapon System Cost (\$ in Millions)						6,295.171		0.935		0.000		4.292		0.000		4.292					
Less PY Advance Procurement (\$ in Millions)						-		-		-		-		-		-					
Net Procurement (P-1) (\$ in Millions)						6,295.171		0.935		0.000		4.292		0.000		4.292					
Plus CY Advance Procurement (\$ in Millions)						-		-		-		-		-		-					
<b>Total Obligation Authority (\$ in Millions)</b>						<b>6,295.171</b>		<b>0.935</b>		<b>0.000</b>		<b>4.292</b>		<b>0.000</b>		<b>4.292</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares (\$ in Millions)						-		-		-		-		-		-					
Gross/Weapon System Unit Cost (\$ in Thousands)						33,307.783		-		-		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>					
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE	20,167.471	189	3,811.652	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.2) GFE Electronics	-	-	867.454	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.3) Engines/Eng Acc (new)	782.715	274	214.464	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.4) Engines/Eng Acc (refurb)	313.846	104	32.640	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.5) Armament	-	-	83.660	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.6) Other GFE	-	-	49.623	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.1.7) Rec Flyaway ECO	-	-	72.027	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
<i>Subtotal: Recurring Cost</i>	-	-	<i>5,131.520</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>			
Non Recurring Cost																					
1.2.1) Non-Recur Cost	-	-	130.281	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
1.2.2) Production Line Shutdown	-	-	0.000	-	-	0.000	-	-	0.000	-	-	4.292	-	-	0.000	-	-	4.292			
1.2.3) Ancillary Equip	-	-	186.989	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>317.270</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>4.292</i>	-	-	<i>0.000</i>	-	-	<i>4.292</i>			
<i>Subtotal: Flyaway Cost</i>	-	-	<i>5,448.790</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>4.292</i>	-	-	<i>0.000</i>	-	-	<i>4.292</i>			
Support Cost																					
2.1) Airframe PGSE	-	-	186.048	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			
2.2) Pec Trng Eq	-	-	139.381	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000			

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Exhibit P-5, Cost Analysis: PB 2024 Navy												Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0178 / UH-1Y/AH-1Z								Item Number / Title [DODIC]: 2 / AH-1Z											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total							
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)					
2.3) Pub/Tech Eq	-	-	97.796	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
2.4) Prod Eng Supt	-	-	232.293	-	-	0.479	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
2.5) Other ILS	-	-	167.870	-	-	0.456	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
2.6) Reclamation	-	-	2.993	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
2.7) Other Support	-	-	20.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000					
<i>Subtotal: Support Cost</i>	-	-	<b>846.381</b>	-	-	<b>0.935</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>					
<b>Gross/Weapon System Cost</b>	<b>33,307.783</b>	<b>189</b>	<b>6,295.171</b>	-	-	<b>0.935</b>	-	-	<b>0.000</b>	-	-	<b>4.292</b>	-	-	<b>0.000</b>	-	-	<b>4.292</b>					

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					<b>P-1 Line Item Number / Title:</b> 0193 / P-8A Poseidon												
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> 0605500N					<b>Other Related Program Elements:</b> N/A									
<b>Line Item MDAP/MAIS Code:</b> 334																	
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>					
Procurement Quantity ( <i>Units in Each</i> )	128	-	-	-	-	-	-	-	-	-	-	-	128				
Gross/Weapon System Cost (\$ in Millions)	25,702.873	44.595	41.521	31.257	0.000	31.257	27.720	15.713	10.117	0.000	-	-	25,873.796				
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-				
Net Procurement (P-1) (\$ in Millions)	25,702.873	44.595	41.521	31.257	0.000	31.257	27.720	15.713	10.117	0.000	-	-	25,873.796				
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	-				
<b>Total Obligation Authority (\$ in Millions)</b>	<b>25,702.873</b>	<b>44.595</b>	<b>41.521</b>	<b>31.257</b>	<b>0.000</b>	<b>31.257</b>	<b>27.720</b>	<b>15.713</b>	<b>10.117</b>	<b>0.000</b>	-	-	<b>25,873.796</b>				
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares (\$ in Millions)	-	0.175	0.085	56.711	-	56.711	18.893	19.524	19.650	41.025	Continuing	Continuing					
Flyaway Unit Cost (\$ in Thousands)	171,322.914	-	-	-	-	-	-	-	-	-	-	-	172,229.398				
Gross/Weapon System Unit Cost (\$ in Thousands)	200,803.695	-	-	-	-	-	-	-	-	-	-	-	202,139.031				
<b>Description:</b>																	
The P-8A Multi-mission Maritime Aircraft (MMA) system is a heavily modified and militarized derivative of Boeing's 737-800 ERX commercial aircraft. The P-8A is the replacement system for the P-3C. The P-8A will sustain and improve the armed maritime and littoral Intelligence, Surveillance, and Reconnaissance capabilities for U.S. Naval Forces in traditional, joint and combined roles to counter changing and emerging threats. The P-8A will have a substantial role in Sea Power 21 and will satisfy several mission requirements in Sea Shield, Sea Strike and FORCEnet. The primary roles of the P-8A are persistent Anti-Submarine Warfare (ASW) and Anti-Surface Warfare (ASuW). The procurement funds the production of the aircraft, trainers and associated support equipment.																	
Note: April 2018 OPNAV P-8A Requirements and Resources Review Board (R3B) decision set total P-8A inventory at 138 aircraft, which includes 12 aircraft to support fully transitioning two USNR squadrons to P-8A. In the currently funded program of 128 aircraft, 11 aircraft are designated to recapitalize Navy Reserve Maritime Patrol and Reconnaissance Forces at NAS Jacksonville, FL (VP-62) and NAS Whidbey Island, WA (VP-69), and would be used to support all Maritime Patrol and Reconnaissance Forces (MPRF) mission areas required by the National Security Plan, National Defense Plan and the Defense Plan. Due to a required balancing of overall Navy fiscal and warfighting capability priorities, only 128 P-8A aircraft are currently funded and FY2021 was the last year of Aircraft procurements.																	

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0193 / P-8A Poseidon						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> 0605500N				<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> 334										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	
P-5	1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)	P-5a, P-21			128 / 25,702.873	- / 44.595	- / 41.521	- / 31.257	- / 0.000	- / 31.257
P-40	Total Gross/Weapon System Cost				128 / 25,702.873	- / 44.595	- / 41.521	- / 31.257	- / 0.000	- / 31.257

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

Funding request in FY 2024 procures required P-8A integrated logistics and production engineering support requirements that were not included in the FY2021 Congressional Add, but are required to fully transition the 2 USNR squadrons to P-8A starting in FY2023. Additionally, FY 2024 funding supports the incremental Production Line Shutdown and Acquisition Closure requirements that continue through FY 2027, following the last planned delivery of the US Navy contracted P-8 FMS Aircraft.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0193 / P-8A Poseidon								<b>Item Number / Title [DODIC]:</b> 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>				<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity ( <i>Units in Each</i> )				128		-		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)				25,702.873		44.595		41.521		31.257		0.000		31.257				
Less PY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)				25,702.873		44.595		41.521		31.257		0.000		31.257				
Plus CY Advance Procurement (\$ in Millions)				-		-		-		-		-		-				
<b>Total Obligation Authority</b> (\$ in Millions)				25,702.873		44.595		41.521		31.257		0.000		31.257				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-		0.175		0.085		56.711		-		56.711				
Gross/Weapon System Unit Cost (\$ in Thousands)				200,803.695		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE <sup>(†)</sup>	115,663.906	138	15,961.619	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) CFE Electronics	-	-	3,397.834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) GFE Electronics	-	-	1,273.928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.4) Other GFE	-	-	1.521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.5) Rec Flyaway ECO	-	-	602.208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Subtotal: Recurring Cost</i>	-	-	<b>21,237.110</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Non Recurring Cost																		
1.2.1) Ancillary Equip	-	-	186.571	-	-	13.000	-	-	14.000	-	-	-	-	-	-	-	-	
1.2.2) Non-Recur Cost	-	-	505.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2.3) Production Line Shutdown	-	-	-	-	-	-	-	-	10.089	-	-	14.000	-	-	-	-	14.000	
1.2.4) Acquisition Closure	-	-	-	-	-	-	-	-	4.000	-	-	9.500	-	-	-	-	9.500	
<i>Subtotal: Non Recurring Cost</i>	-	-	<b>692.223</b>	-	-	<b>13.000</b>	-	-	<b>28.089</b>	-	-	<b>23.500</b>	-	-	-	-	<b>23.500</b>	
<i>Subtotal: Flyaway Cost</i>	-	-	<b>21,929.333</b>	-	-	<b>13.000</b>	-	-	<b>28.089</b>	-	-	<b>23.500</b>	-	-	-	-	<b>23.500</b>	
Support Cost																		
2.1) Airframe PGSE	-	-	300.804	-	-	4.000	-	-	-	-	-	-	-	-	-	-	-	
2.2) Engine PGSE	-	-	16.578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2024 Navy												Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0193 / P-8A Poseidon								Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total							
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)					
2.3) Avionics PGSE	-	-	870.246	-	-	6.000	-	-	-	-	-	-	-	-	-	-	-						
2.4) Pec Trng Eq	-	-	1,529.797	-	-	1.884	-	-	-	-	-	-	-	-	-	-	-						
2.5) Pub/Tech Eq	-	-	320.171	-	-	2.500	-	-	2.500	-	-	-	-	-	-	-	-						
2.6) Prod Eng Supt	-	-	308.618	-	-	11.121	-	-	5.827	-	-	6.257	-	-	-	-	6.257						
2.7) Other ILS	-	-	427.326	-	-	6.090	-	-	5.105	-	-	1.500	-	-	-	-	1.500						
<i>Subtotal: Support Cost</i>	-	-	<b>3,773.540</b>	-	-	<b>31.595</b>	-	-	<b>13.432</b>	-	-	<b>7.757</b>	-	-	-	-	<b>7.757</b>						
Gross/Weapon System Cost	<b>200,803.695</b>	<b>128</b>	<b>25,702.873</b>	-	-	<b>44.595</b>	-	-	<b>41.521</b>	-	-	<b>31.257</b>	-	-	<b>0.000</b>	-	<b>31.257</b>						

**Remarks:**

NOTES: Totals may not add due to rounding.

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0193 / P-8A Poseidon					Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	The Boeing Company / Seattle, WA	SS / FPIF	NAVAIR	Mar 2020	Apr 2022	8	125,517.750	Y		Nov 2018
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	The Boeing Company / Seattle, WA	SS / FPIF	NAVAIR	Apr 2021	Nov 2023	9	132,887.097	Y		Nov 2018

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0193 / P-8A Poseidon											Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)											
Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023												B A L A N C E	
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1	2020	NAVY	8	0	8	-	-	-	-	-	-	1	-	-	1	-	1	-	1	-	1	-	1	-	1	-	-	-	-	-	1	1
1	2021	NAVY	9	0	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0193 / P-8A Poseidon											Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)															
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025												B A L A N C E					
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
1	2020	NAVY	8	7	1	1	-	1	1	1	1	1	1	-	-	1	-	-	-	1	-	1	-	1	1	1	1	1	1	1	1	1				
1.1.1) Airframe/CFE							Prior Years Deliveries: 121												0												0					
1							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	0					
1							V	C	N	A	E	R	R	Y	J	J	A	G	P	T	V	C	N	E	R	R	Y	J	J	A	G	P	T	0		

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Exhibit P-21, Production Schedule: PB 2024 Navy										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1				P-1 Line Item Number / Title: 0193 / P-8A Poseidon					Item Number / Title [DODIC]: 1 / P-8A MULTI-MISSION MARITIME AIRCRAFT (MMA)				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
1	The Boeing Company - Seattle, WA	6	12	12	9	7	34	41	9	7	23	30	

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE										
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> N/A							
<b>Line Item MDAP/MAIS Code:</b> 000															
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>			
Procurement Quantity ( <i>Units in Each</i> )	107	5	7	-	-	-	-	-	-	-	6	125			
Gross/Weapon System Cost (\$ in Millions)	16,409.691	944.475	1,407.727	182.817	0.000	182.817	199.490	23.428	0.000	0.000	1,554.952	20,722.580			
Less PY Advance Procurement (\$ in Millions)	2,590.282	194.856	201.566	-	-	-	-	-	-	-	-	2,986.704			
Net Procurement (P-1) (\$ in Millions)	13,819.409	749.619	1,206.161	182.817	0.000	182.817	199.490	23.428	0.000	0.000	1,554.952	17,735.876			
Plus CY Advance Procurement (\$ in Millions)	2,867.766	118.938	-	-	-	-	-	-	-	-	-	2,986.704			
<b>Total Obligation Authority (\$ in Millions)</b>	<b>16,687.175</b>	<b>868.557</b>	<b>1,206.161</b>	<b>182.817</b>	<b>0.000</b>	<b>182.817</b>	<b>199.490</b>	<b>23.428</b>	<b>0.000</b>	<b>0.000</b>	<b>1,554.952</b>	<b>20,722.580</b>			
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>															
Initial Spares (\$ in Millions)	-	2.665	6.416	3.984	-	3.984	3.517	4.023	-	-	5.652	26.257			
Flyaway Unit Cost (\$ in Thousands)	131,448.327	154,163.000	171,636.429	-	-	-	-	-	-	-	211,411.167	139,702.248			
Gross/Weapon System Unit Cost (\$ in Thousands)	153,361.598	188,895.000	201,103.857	-	-	-	-	-	-	-	259,158.667	165,780.640			
<b>Description:</b> The E-2D Advanced Hawkeye (AHE) is an all-weather, twin engine, carrier-based, Airborne Command, Control and Surveillance aircraft designed to extend task force defense perimeters. The AHE mission is to provide advance warning of approaching enemy surface units and aircraft, to vector interceptors or strike aircraft to attack, and to provide area surveillance, intercept, search and rescue, communications relay, and strike/air traffic control. Key AHE objectives include: improved battle space target detection and situational awareness, especially in the littorals; support of Theater Air Missile Defense operations; and improved Operational Availability.															
Avionics PGSE fully funds procurements for various equipment required to establish E-2D organic depot capability in accordance with Title 10 U.S. Code 2464 - Core Logistics capability requirements.															
0195 BLI Prior Year includes E-2C Procurement (Qty 44)															
0195 BLI procurement quantity (qty) increased per R3B memo dated 19 July 2019 which identified the requirement for 11 additional E-2D aircraft to fill fleet aircraft shortfalls due to insufficient pipeline and scheduled aircraft modifications. Cost To Complete (CTC) includes costs associated with the quantity of 6 aircraft, since two aircraft were added by Congress in FY 2020, one was added by Congress in FY 2021, and two were added by Congress in FY 2023. Currently, the CTC aircraft are unfunded.															

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> 000										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>			
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/ MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	1 / E-2D	P-5a, P-21			107 / 16,409.691	5 / 944.475	7 / 1,407.727	- / 182.817	- / 0.000	- / 182.817
P-40	<b>Total Gross/Weapon System Cost</b>				<b>107 / 16,409.691</b>	<b>5 / 944.475</b>	<b>7 / 1,407.727</b>	<b>- / 182.817</b>	<b>- / 0.000</b>	<b>- / 182.817</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2024 request includes remaining requirements to establish E-2D Organic Depot capability in accordance with Title 10 U.S. Code 2464, production line shutdown, and government engineering and logistics support required to oversee aircraft production still underway.

This budget request includes funding to support a FY 2019 through FY 2023 Multi-Year Procurement (MYP) contract. Two FY 2023 Congressional Add aircraft will be procured in September 2023 at single year pricing.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>												<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE								<b>Item Number / Title [DODIC]:</b> 1 / E-2D									
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>		<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>							
Procurement Quantity ( <i>Units in Each</i> )					107		5		7		-		-		-					
Gross/Weapon System Cost (\$ in Millions)					16,409.691		944.475		1,407.727		182.817		0.000		182.817					
Less PY Advance Procurement (\$ in Millions)					2,590.282		194.856		201.566		-		-		-					
Net Procurement (P-1) (\$ in Millions)					13,819.409		749.619		1,206.161		182.817		0.000		182.817					
Plus CY Advance Procurement (\$ in Millions)					2,867.766		118.938		-		-		-		-					
<b>Total Obligation Authority</b> (\$ in Millions)					<b>16,687.175</b>		<b>868.557</b>		<b>1,206.161</b>		<b>182.817</b>		<b>0.000</b>		<b>182.817</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares (\$ in Millions)					-		2.665		6.416		3.984		-		3.984					
Gross/Weapon System Unit Cost (\$ in Thousands)					153,361.598		188,895.000		201,103.857		-		-		-					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																				
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>				
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)		
Flyaway Cost																				
Recurring Cost																				
1.1.1) Airframe/CFE <sup>(†)</sup>	70,919.318	107	7,588.367	82,088.600	5	410.443	86,165.400	5	430.827	-	-	-	-	-	-	-	-	-		
1.1.2) Airframe/CFE (FY23 Congressional Add) <sup>(†)(1)</sup>	-	-	-	-	-	-	108,500.000	2	217.000	-	-	-	-	-	-	-	-	-		
1.1.3) CFE Electronics <sup>(†)</sup>	41,855.467	107	4,478.535	51,303.800	5	256.519	53,914.800	5	269.574	-	-	-	-	-	-	-	-	-		
1.1.4) CFE Electronics (FY23 Congressional Add) <sup>(†)(2)</sup>	-	-	-	-	-	-	66,500.000	2	133.000	-	-	-	-	-	-	-	-	-		
1.1.5) GFE Electronics	4,888.467	107	523.066	5,517.600	5	27.588	4,020.000	7	28.140	-	-	-	-	-	-	-	-	-		
1.1.6) Engine/ Engine Accessories	-	-	251.428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.7) Other GFE	-	-	128.252	-	-	7.892	-	-	18.050	-	-	-	-	-	-	-	-	-		
1.1.8) Recurring Flyaway ECO	18,797.706	17	319.561	2,400.000	5	12.000	1,714.300	7	12.000	-	-	-	-	-	-	-	-	-		
<i>Subtotal: Recurring Cost</i>	-	-	13,289.209	-	-	714.442	-	-	1,108.591	-	-	-	-	-	-	-	-	-		
Non Recurring Cost																				
1.2.1) Non-Recurring Cost <sup>(3)</sup>	-	-	775.762	-	-	56.373	-	-	92.864	-	-	-	-	-	-	-	-	-		
1.2.2) Production Line Shutdown <sup>(4)</sup>	-	-	-	-	-	-	-	-	-	-	-	24.717	-	-	-	-	-	24.717		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023													
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1				<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE								<b>Item Number / Title [DODIC]:</b> 1 / E-2D													
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>													
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>									
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>							
<i>Subtotal: Non Recurring Cost</i>	-	-	775.762	-	-	56.373	-	-	92.864	-	-	24.717	-	-	-	-	-	24.717							
<i>Subtotal: Flyaway Cost</i>	-	-	<b>14,064.971</b>	-	-	<b>770.815</b>	-	-	<b>1,201.455</b>	-	-	<b>24.717</b>	-	-	-	-	-	<b>24.717</b>							
<i>Support Cost</i>																									
2.1) Airframe PGSE	-	-	58.603	-	-	2.868	-	-	2.922	-	-	2.978	-	-	-	-	-	2.978							
2.2) Engine PGSE	-	-	48.344	-	-	5.304	-	-	7.809	-	-	-	-	-	-	-	-	-							
2.3) Avionics PGSE (5)	-	-	623.025	-	-	54.416	-	-	74.067	-	-	75.548	-	-	-	-	-	75.548							
2.4) Peculiar Training Equipment	-	-	507.393	-	-	35.094	-	-	35.796	-	-	-	-	-	-	-	-	-							
2.5) Pub/Tech Eq	-	-	142.301	-	-	7.497	-	-	7.647	-	-	-	-	-	-	-	-	-							
2.6) Production Engineering Support	-	-	565.304	-	-	26.936	-	-	27.714	-	-	28.268	-	-	-	-	-	28.268							
2.7) Other ILS	-	-	399.750	-	-	41.545	-	-	50.317	-	-	51.306	-	-	-	-	-	51.306							
<i>Subtotal: Support Cost</i>	-	-	<b>2,344.720</b>	-	-	<b>173.660</b>	-	-	<b>206.272</b>	-	-	<b>158.100</b>	-	-	-	-	-	<b>158.100</b>							
<b>Gross/Weapon System Cost</b>	<b>153,361.598</b>	<b>107</b>	<b>16,409.691</b>	<b>188,895.000</b>	<b>5</b>	<b>944.475</b>	<b>201,103.857</b>	<b>7</b>	<b>1,407.727</b>			<b>182.817</b>			<b>0.000</b>			<b>182.817</b>							

(†) indicates the presence of a P-5a

**Footnotes:**

- (1) Airframe/CFE (FY23 Congressional Add): Two FY2023 Congressional Add aircraft will be procured at single year pricing in September 2023. Government estimate for each single year priced aircraft is \$175M, final pricing pending contract negotiations currently underway.
- (2) CFE Electronics (FY23 Congressional Add): Two FY2023 Congressional Add aircraft will be procured at single year pricing in September 2023. Government estimate for each single year priced aircraft is \$175M, final pricing pending contract negotiations currently underway.
- (3) Non-Recurring Cost: The FY 2023 Appropriations Bill included a mark of \$6.539M specific to the Non-Recurring Cost Element for excess growth, two additional aircraft were also added to FY 2023. The addition of the two aircraft increases the amount of funding required to mitigate obsolescence and implement engineering change proposals. So, while the specific reduction was applied to Non-Recurring Cost, a net increase is shown in FY 2023 on the PB-24 budget exhibit.
- (4) Production Line Shutdown: FY24 funds to commence government and contractor efforts for shutdown. A complete inventory of government owned tools and machinery will be conducted as well as a plan for future use of all production items (destroy, store, re-use). A path forward will be developed for the government to obtain data rights and to assume software support activities in a post-production environment.
- (5) Avionics PGSE: FY 2024 request covers engineering and logistics support as well as the procurement of various equipment required to establish E-2D organic depot capability, in accordance with Title 10 U.S. Code 2464 - Core Logistics capability requirements. FY 2024 planned procurements are as follows: Support equipment for the Rotodome Flight Shaft, EMIRS Power Drive Unit, and Aerial Refueling system; a Peculiar Ground Support Equipment contract to include support equipment for rotodome repair and multiple air vehicle components to increase capacity and efficiency for the Planned Maintenance Interval line.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1			P-1 Line Item Number / Title: 0195 / E-2D AHE				Item Number / Title [DODIC]: 1 / E-2D					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2019 <sup>(6)</sup>	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Apr 2019	Feb 2022	6	85,348.000	Y		Mar 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2020	Mar 2023	6	85,211.000	Y		Mar 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2021	Jun 2024	5	83,708.400	Y		Mar 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2022	May 2025	5	82,088.600	Y		Mar 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2023	May 2026	5	86,165.400	Y		Mar 2017
1.1.2) Airframe/CFE (FY23 Congressional Add) <sup>(†)</sup>		2023	Northrop Grumman Systems / Florida	C / FPIF	NAVAIR	Sep 2023	Jun 2028	2	108,500.000	N		Feb 2023
1.1.3) CFE Electronics <sup>(†)</sup>		2019 <sup>(7)</sup>	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Apr 2019	Feb 2022	6	53,403.333	Y		Mar 2017
1.1.3) CFE Electronics <sup>(†)</sup>		2020	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2020	Mar 2023	6	53,255.167	Y		Mar 2017
1.1.3) CFE Electronics <sup>(†)</sup>		2021	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2021	Jun 2024	5	52,316.200	Y		Mar 2017
1.1.3) CFE Electronics <sup>(†)</sup>		2022	Northrop Grumman Systems / Florida	SS / FPIF	NAVIAR	Mar 2022	May 2025	5	51,303.800	Y		Mar 2017
1.1.3) CFE Electronics <sup>(†)</sup>		2023	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Mar 2023	May 2026	5	53,914.800	Y		Mar 2017
1.1.4) CFE Electronics (FY23 Congressional Add) <sup>(†)</sup>		2023	Northrop Grumman Systems / Florida	SS / FPIF	NAVAIR	Sep 2023	Jun 2028	2	66,500.000	N		Feb 2023
<b>Advance Procurement</b>												
APY-9 Radar		2022	Lockheed Martin / Owego, NY	SS / FPIF	NAVAIR	Mar 2022	Mar 2025	5	9,220.000	Y		Mar 2017
ADS-18 Antenna		2022	L-3 Communications / Arlington, TX	SS / FPIF	NAVAIR	Mar 2022	Nov 2024	5	2,880.000	Y		Mar 2017
Empennage Assembly		2022	Potez Aeronautique / Aire-Sur-L'Adour, France	SS / CPIF	NAVAIR	Mar 2022	Oct 2024	5	1,380.000	Y		Mar 2017
Other General Procurement (brackets, bolts, fittings, clips, etc)		2022	Various / Various	SS / FPIF	NAVAIR	Mar 2022	Feb 2024	5	10,307.600	Y		Mar 2017

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

(6) Multi-year Procurement (MYP) contract awarded 10 Apr 2019

(7) Multi-year Procurement (MYP) contract awarded 10 Apr 2019

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## **Exhibit P-21, Production Schedule: PB 2024 Navy**

Date: March 2023

**Appropriation / Budget Activity / Budget Sub Activity:**  
1506N / 01 / 1

**P-1 Line Item Number / Title:**  
0195 / E-2D AHE

**Item Number / Title [DODIC]:**  
1 / E-2D

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																																																																																														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1																					Item Number / Title [DODIC]: 1 / E-2D																																																																																														
Cost Elements (Units in Each)																					Fiscal Year 2021																																																																																														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">O C R O #</th> <th rowspan="2">M F R</th> <th rowspan="2">FY</th> <th rowspan="2">SERVICE</th> <th rowspan="2">PROC QTY</th> <th rowspan="2">ACCEPT PRIOR TO 1 OCT 2020</th> <th rowspan="2">BAL DUE AS OF 1 OCT</th> <th colspan="12">Calendar Year 2021</th> <th colspan="12">Calendar Year 2022</th> </tr> <tr> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> <th>O C T</th> <th>N O V</th> <th>D E C</th> <th>J A N</th> <th>F E B</th> <th>M A R</th> <th>A P R</th> <th>M A Y</th> <th>J U N</th> <th>J U L</th> <th>A U G</th> <th>S E P</th> </tr> </thead> <tbody> <tr> <td>1.1.1) Airframe/CFE</td><td colspan="20" rowspan="2"></td><td colspan="10">Fiscal Year 2022</td></tr> </tbody> </table>																				O C R O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	Calendar Year 2021												Calendar Year 2022												O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	1.1.1) Airframe/CFE																					Fiscal Year 2022										Fiscal Year 2021									
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1.1.1) Airframe/CFE																					Fiscal Year 2021																																																																																														

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023																														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1										P-1 Line Item Number / Title: 0195 / E-2D AHE											Item Number / Title [DODIC]: 1 / E-2D																														
Cost Elements (Units in Each)							Fiscal Year 2023												Fiscal Year 2024																																
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Prior Years Deliveries: 90																																																			
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**UNCLASSIFIED**

Exhibit P-21, Production Schedule: PB 2024 Navy																		Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 01 / 1								P-1 Line Item Number / Title: 0195 / E-2D AHE										Item Number / Title [DODIC]: 1 / E-2D																					
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026																				
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	Calendar Year 2025												Calendar Year 2026											B A L A N C E									
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E								
1.1.1) Airframe/CFE																																							
Prior Years Deliveries: 90																																							
1	2019	NAVY		6	6	0																														0			
1	2020	NAVY		6 <sup>(8)</sup>	5	1																													1				
1	2021	NAVY		5 <sup>(9)</sup>	3	2	-	-	-	1	-	-	1																				0						
1	2022	NAVY		5 <sup>(10)</sup>	0	5	-	-	-	-	-	-	-	1	-	1	-	1	-	1	1	-	1	1	-	-	1	-	-	-	-1								
1	2023	NAVY		5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1							
1.1.2) Airframe/CFE (FY23 Congressional Add) <sup>(1)</sup>																																			2				
2	2023	NAVY		2 <sup>(11)</sup>	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2						
1.1.3) CFE Electronics																																			0				
Prior Years Deliveries: 90																																				0			
3	2019	NAVY		6	6	0																															0		
3	2020	NAVY		6 <sup>(12)</sup>	5	1																													1				
3	2021	NAVY		5 <sup>(13)</sup>	3	2	-	-	-	1	-	-	1																				0						
3	2022	NAVY		5 <sup>(14)</sup>	0	5	-	-	-	-	-	-	-	1	-	1	-	1	-	1	1	-	1	1	-	-	1	-	-	-	-1								
3	2023	NAVY		5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1							
1.1.4) CFE Electronics (FY23 Congressional Add) <sup>(2)</sup>																																			2				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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<b>Exhibit P-21, Production Schedule: PB 2024 Navy</b>										<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1			<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE					<b>Item Number / Title [DODIC]:</b> 1 / E-2D				
<b>MFR Ref #</b>	<b>Manufacturer Name - Location</b>	<b>Production Rates (Each / Year)</b>			<b>Procurement Leadtime (Months)</b>							
		<b>MSR For 2024</b>	<b>1-8-5 For 2024</b>	<b>MAX For 2024</b>	<b>Initial</b>				<b>Reorder</b>			
					<b>ALT Prior to Oct 1</b>	<b>ALT After Oct 1</b>	<b>Manufacturing PLT</b>	<b>Total After Oct 1</b>	<b>ALT Prior to Oct 1</b>	<b>ALT After Oct 1</b>	<b>Manufacturing PLT</b>	<b>Total After Oct 1</b>
1	Northrop Grumman Systems - Florida	4	6	8	0	0	0	0	7	5	38	43
2	Northrop Grumman Systems - Florida	4	6	8	0	0	0	0	7	5	38	43
3	Northrop Grumman Systems - Florida	4	6	8	0	0	0	0	7	5	38	43
4	Northrop Grumman Systems - Florida	4	6	8	0	0	0	0	7	5	38	43

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(8) Airframe CFE - FY 2020 P-21 schedule was updated from a quantity (qty) of 4 aircraft, to a qty of 6 aircraft, based on Congress adding FY 2020 funding for 2 additional aircraft. Both additional a/c were procured in Mar 2020 (FRP 8), however, due to the production max capacity rate of 8 aircraft in FY 2020 (qty 8 includes 3 FMS Japan a/c), 1 of the 2 additional aircraft will be delivered in FY 2025. Added a/c qty 1 to FY 2021 Delivery Schedule to reflect this VIQ a/c delivery since the P-21 delivery schedule only goes out 24 months. VIQ a/c qty 1 (BUNO 169878) expected delivery is 2025-04.

(9) Airframe CFE - FY 2021 P-21 schedule was updated from a qty of 4 aircraft to a qty of 5 aircraft based on Congressional add of FY 2021 funding for 1 additional aircraft. Additional aircraft was procured in Mar 2021 (FRP 9), however, due to the contractual production schedule of the awarded Multi-Year Procurement (MYP) contract, this 1 additional aircraft will be delivered in FY 2026. Added aircraft qty 1 to FY 2022 Delivery Schedule to reflect this VIQ aircraft delivery since the P-21 delivery schedule only goes out 24 months.

(10) FY 2021 Congressional Add VIQ a/c qty 1 (BUNO 169884) expected delivery is 2026-03.

(11) Airframe CFE - Congress added funding for 2 additional FY2023 aircraft. Both additional a/c will go on contract September 2023, one aircraft is tentatively scheduled to deliver in June 2028 and the other in August 2028.

(12) CFE Electronics - FY 2020 P-21 schedule was updated from a qty of 4 aircraft, to a qty of 6 aircraft, based on Congress adding FY 2020 funding for 2 additional aircraft. Both additional a/c were procured in Mar 2020 (FRP 8), however, due to the production max capacity rate of 8 aircraft in FY 2020 (qty 8 includes 3 FMS Japan a/c), 1 of the 2 additional aircraft will be delivered in FY 2025. Added a/c qty 1 to FY 2021 Delivery Schedule to reflect this VIQ a/c delivery since the P-21 delivery schedule only goes out 24 months. VIQ a/c qty 1 (BUNO 169878) expected delivery is 2025-04.

(13) CFE Electronics - FY 2021 P-21 schedule was updated from a qty of 4 aircraft to a qty of 5 aircraft based on Congressional add of FY 2021 funding for 1 additional aircraft. Additional aircraft was procured in Mar 2021 (FRP 9), however, due to the contractual production schedule of the awarded Multi-Year Procurement (MYP) contract, this 1 additional aircraft will be delivered in FY 2026. Added aircraft qty 1 to FY 2022 Delivery Schedule to reflect this VIQ aircraft delivery since the P-21 delivery schedule only goes out 24 months.

(14) FY 2021 Congressional Add VIQ a/c qty 1 (BUNO 169884) expected delivery is 2026-03.

(15) CFE Electronics - Congress added funding for 2 additional FY2023 aircraft. Both additional a/c will go on contract September 2023, one aircraft is tentatively scheduled to deliver in June 2028 and the other in August 2028.

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Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy										Date: March 2023							
Appropriation / Budget Activity / Budget Sub Activity: 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft					P-1 Line Item Number / Title: 0195 / E-2D AHE												
Program Elements for Code B Items: N/A					Other Related Program Elements: N/A												
Line Item MDAP/MAIS Code: 000																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Gross/Weapon System Cost (\$ in Millions)	2,867.766	118.938	-	-	-	-	-	-	-	-	-	2,986.704					
Net Procurement (P-1) (\$ in Millions)	2,867.766	118.938	-	-	-	-	-	-	-	-	-	2,986.704					
Total Obligation Authority (\$ in Millions)	<b>2,867.766</b>	<b>118.938</b>	-	-	-	-	-	-	-	-	-	<b>2,986.704</b>					

**Description:**

The E-2D Advanced Hawkeye (AHE) is an all-weather, twin engine, carrier-based, Airborne Command, Control and Surveillance aircraft designed to extend task force defense perimeters. The AHE mission is to provide advance warning of approaching enemy surface units and aircraft, to vector interceptors or strike aircraft to attack, and to provide area surveillance, intercept, search and rescue, communications relay, and strike/air traffic control. Key AHE objectives include: improved battle space target detection and situational awareness, especially in the littorals; support of Theater Air Missile Defense operations; and improved Operational Availability.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>						<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 01: Combat Aircraft / BSA 1: Combat Aircraft				<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE							
<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A							
<b>Line Item MDAP/MAIS Code:</b> 000											
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>		
Exhibit Type	Title*	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)		
P-10	1 / E-2D			107 / 2,867.766	5 / 118.938	7 / -	- / -	- / -	- / -		
P-40	Total Gross/Weapon System Cost			107 / 2,867.766	5 / 118.938	7 / -	- / -	- / -	- / -		

\*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

Full funding for every end item requesting advance procurement is included in the budget submission.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1		<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE			<b>P-5 Number / Title:</b> 1 / E-2D
<b>First System (2024) Award Date:</b> February 2012		<b>First System (2024) Completion Date:</b> July 2015		<b>Interval Between Systems:</b> 0 Months	
E-2D	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity		107	5	7	-
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
CFE - Airframe	0	761.495	-	-	-
Prior Years EOQ/Long Lead	0	1,448.135	-	-	-
For FY 2020 EOQ/Long Lead	0	141.128	-	-	-
For FY 2021 EOQ/Long Lead	0	175.492	-	-	-
For FY 2022 EOQ/Long Lead	0	194.856	-	-	-
For FY 2023 EOQ/Long Lead	0	82.628	-	-	-
APY-9 Radar (†)	0	-	46.100	-	-
ADS-18 Antenna (†)	0	-	14.400	-	-
Empennage Assembly (†)	0	-	6.900	-	-
Other General Procurement (brackets, bolts, fittings, clips, etc) (†)	0	-	51.538	-	-
<i>Total: CFE</i>		<i>2,803.734</i>	<i>118.938</i>		<i>0.000</i>
<b>GFE</b>					
Other GFE	0	32.177	-	-	-
JTIDS	0	16.955	-	-	-
Engines	0	14.900	-	-	-
<i>Total: GFE</i>		<i>64.032</i>			<i>0.000</i>
<b>Total Advance Procurement/Obligation Authority</b>		<b>2,867.766</b>	<b>118.938</b>		<b>-</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 01 / 1	<b>P-1 Line Item Number / Title:</b> 0195 / E-2D AHE			<b>P-5 Number / Title:</b> 1 / E-2D
<b>FY 2024</b>				
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>
<b>CFE</b>				
CFE - Airframe	1			
Prior Years EOQ/Long Lead	1			
For FY 2020 EOQ/Long Lead	1			
For FY 2021 EOQ/Long Lead	1			
For FY 2022 EOQ/Long Lead	0			
For FY 2023 EOQ/Long Lead	0			
APY-9 Radar (†)	0			
ADS-18 Antenna (†)	0			
Empennage Assembly (†)	0			
Other General Procurement (brackets, bolts, fittings, clips, etc) (†)	0			
<b>Total: CFE</b>				<b>0.000</b>
<b>GFE</b>				
Other GFE	1			
JTIDS	1			
Engines	1			
<b>Total: GFE</b>				<b>0.000</b>
<b>Total Advance Procurement/Obligation Authority</b>				
<b>Description:</b> The Advance Procurement (AP) funding will be used to procure long lead CFE items (14 months or greater production lead time) such as raw materials (inclusive of steel, titanium, aluminum, composites), castings, forgings, bearings, actuators, mission equipment, antenna assemblies, panel assemblies, gearboxes and airframe structural components. E-2D lead times for components have been as high as 42 months. The E-2D program has been actively pursuing lead time reductions and the current longest lead component is 36 months (APY-9 Radar). Some specific material lead items are the ADS-18 antenna assembly (32 months), landing gear including forgings (26 months) and empennage assembly including composite core materials and forged torque tubes for the empennage (31 months). All of these long lead items and special milling for "oversized" sheet stock required for the Fuselage skins at the beginning of aircraft assembly (14 months) are essential to maintaining the current schedule in support of the Fleet Forces transition to the E-2D.				
The E-2D Advanced Hawkeye program realizes a cost savings of \$2.8 - \$3.0M and a schedule savings of 12 months per aircraft due to the use of Advance Procurement funding to procure long lead items.				
(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.				

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft						<b>P-1 Line Item Number / Title:</b> 0343 / Multi-Engine Training System (METS)											
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A						<b>Other Related Program Elements:</b> N/A								
Line Item MDAP/MAIS Code: N/A																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Procurement Quantity ( <i>Units in Each</i> )	-	-	10	26	-	26	27	-	-	-	-	63					
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	0.000	107.801	289.141	0.000	289.141	301.908	0.000	0.000	0.000	-	698.850					
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-					
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	0.000	107.801	289.141	0.000	289.141	301.908	0.000	0.000	0.000	-	698.850					
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-					
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>0.000</b>	<b>107.801</b>	<b>289.141</b>	<b>0.000</b>	<b>289.141</b>	<b>301.908</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>698.850</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares ( <i>\$ in Millions</i> )	-	-	12.934	27.957	-	27.957	14.290	-	-	-	-	55.181					
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	-	-	9,119.100	8,806.962	-	8,806.962	9,240.296	-	-	-	-	9,042.222					
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	-	10,780.100	11,120.808	-	11,120.808	11,181.778	-	-	-	-	11,092.857					
<b>Description:</b>																	
Multi-Engine Training System is a United States Navy (USN) program to replace the aging T-44C Pegasus fleet and modernize multi-engine aircraft training. Multi-Engine Training System provides an intermediate and advanced training platform for accession into P-8, EP-3, KC-130, E-6, E-2, C-2, CV-22 and MV-22 aircraft. This procurement will include a commercial T-54A aircraft, ground based training system, support equipment and miscellaneous essential training/support materials and services to include systems engineering, curriculum updates, and contractor logistics support. Aircraft procurement quantities increase in FY2024. Award of the procurement of Ground Based Training System (GBTS) expected in 2nd QTR FY2024.																	
This line item funds 26 lot 2 aircraft to replace the T-44C Multi-Engine Training System. The current acquisition plan includes budgeting and procuring a single, commercially available Type/Model/Series air vehicle with a digital cockpit (glass) without development, test, or modification of existing commercial equipment. This air vehicle procurement will ensure continuity of a student naval aviator's training transition from primary training to multi- engine training and ultimately to the fleet. The costs and quantities budgeted in this document are based on actuals for aircraft procurement and an independent government cost estimate from the NAVAIR Cost department for GBTS. Although the budget exhibit details funding for 63 aircraft based on current information, the requirement for multi-engine training is 64 aircraft with an anticipated aircraft service life of 30 years. The program awarded the aircraft procurement contract in 2nd QTR FY2023. Procurement quantities in FY2024 and FY2025 have been increased by two (2) and three (3) respectively due to cost savings achieved through competition.																	

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft				<b>P-1 Line Item Number / Title:</b> 0343 / Multi-Engine Training System (METS)			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> N/A	
<b>Line Item MDAP/MAIS Code:</b> N/A							
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	1 / Multi-Engine Training System	P-5a, P-21			- / 0.000	- / 0.000	10 / 107.801
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 0.000</b>	<b>10 / 107.801</b>
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.							
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.							
<p><b>Justification:</b>  The FY 2024 request includes a Firm Fixed Price procurement of 26 commercial T-54A Multi-Engine Training aircraft and associated support costs for delivery approximately one year after contract award. T-54A will replace the T-44C aircraft. Support costs include costs that are fixed in nature and do not fluctuate with aircraft quantities in any particular year. Support cost provides funding for the procurement of airframe, engine and avionics peculiar ground support equipment to support site and squadron stand-ups. Support cost also includes the purchase of operational flight trainers, unit training devices, desktop avionics trainers, part task trainers, non-recurring engineering to update commercial training devices for military unique training requirements and interim contractor logistics support. Additional costs are for data rights for the Ground Based Training System, curriculum gap analysis and the training courseware content update. T-44C is the only transitional platform from single engine to multi-engine Transport and Maritime fleet aircraft. The aging 44+ year old platform has become less cost effective to maintain annually as it has surpassed its fatigue life by greater than 50%. The aircraft is experiencing obsolescence, diminishing manufacturing sources and material shortages, and training capability gaps (as identified in the Capabilities Based Assessment Naval Undergraduate Flight Training).</p> <p>Additionally, operations and support costs for the legacy T-44 Aircraft Conditional Inspection (ACI), required every five years, have increased from \$1.0M per aircraft ten years ago to \$4.5M per aircraft today. A commercially available air vehicle will be the right solution to meet the needs of the Navy quickly, efficiently, and with the most economical intent. This plan provides ample amount of aircraft to transition to a more modern solution that better prepares pilots for fleet integration. This budget ensures a replacement multi-engine aircraft is delivered to the fleet as quickly as possible.</p>							

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 03 / 1				<b>P-1 Line Item Number / Title:</b> 0343 / Multi-Engine Training System (METS)									<b>Item Number / Title [DODIC]:</b> 1 / Multi-Engine Training System						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity ( <i>Units in Each</i> )							-		-		10		26		-		26		
Gross/Weapon System Cost (\$ in Millions)							0.000		0.000		107.801		289.141		0.000		289.141		
Less PY Advance Procurement (\$ in Millions)							-		-		-		-		-		-		
Net Procurement (P-1) (\$ in Millions)							0.000		0.000		107.801		289.141		0.000		289.141		
Plus CY Advance Procurement (\$ in Millions)							-		-		-		-		-		-		
<b>Total Obligation Authority</b> (\$ in Millions)							0.000		0.000		107.801		289.141		0.000		289.141		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)							-		-		12.934		27.957		-		27.957		
Gross/Weapon System Unit Cost (\$ in Thousands)							-		-		10,780.100		11,120.808		-		11,120.808		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Flyaway Cost																			
Recurring Cost																			
1.1.1) Airframe/CFE <sup>(†)</sup>	-	-	-	-	-	-	8,922.200	10	89.222	8,567.077	26	222.744	-	-	-	8,567.077	26	222.744	
1.1.2) Rec Flyaway ECO <sup>(1)</sup>	-	-	-	-	-	-	-	-	1.969	-	-	6.237	-	-	-	-	-	6.237	
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	91.191	-	-	228.981	-	-	-	-	-	228.981	
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	91.191	-	-	228.981	-	-	-	-	-	228.981	
Support Cost																			
2.1) Aircraft PGSE	-	-	-	-	-	-	-	-	0.704	-	-	0.729	-	-	-	-	-	0.729	
2.2) Engine PGSE	-	-	-	-	-	-	-	-	1.404	-	-	1.462	-	-	-	-	-	1.462	
2.3) Avionics PGSE	-	-	-	-	-	-	-	-	0.291	-	-	0.311	-	-	-	-	-	0.311	
2.4) Pub/Tech Eq <sup>(2)</sup>	-	-	-	-	-	-	-	-	1.306	-	-	1.800	-	-	-	-	-	1.800	
2.5) Pec Trng Eq <sup>(3)</sup>	-	-	-	-	-	-	-	-	-	-	-	41.278	-	-	-	-	-	41.278	
2.6) Prod Eng Supt <sup>(4)</sup>	-	-	-	-	-	-	-	-	3.989	-	-	4.441	-	-	-	-	-	4.441	
2.7) Other ILS <sup>(5)</sup>	-	-	-	-	-	-	-	-	8.916	-	-	10.139	-	-	-	-	-	10.139	
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	16.610	-	-	60.160	-	-	-	-	-	60.160	
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	<b>10,780.100</b>	<b>10</b>	<b>107.801</b>	<b>11,120.808</b>	<b>26</b>	<b>289.141</b>	-	-	<b>0.000</b>	<b>11,120.808</b>	<b>26</b>	<b>289.141</b>	

(†) indicates the presence of a P-5a

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 03 / 1	<b>P-1 Line Item Number / Title:</b> 0343 / Multi-Engine Training System (METS)	<b>Item Number / Title [DODIC]:</b> 1 / Multi-Engine Training System		
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>			
<b>Footnotes:</b>				
(1) 1.1.2) Increase in cost due to military unique requirements to add Angle of Attack Indicating System, Ultra High Frequency Radio and Condition Based Maintenance (CBM) to the Commercial Aircraft. (2) 2.4) Publications/Tech Equipment-Consists of Operations, Maintenance, Installation and Training ( OMIT ) data, Naval Air Training and preparation of Navy technical publications. (3) 2.5) Pec Training Equipment- Consists of Ground Based Training Systems (GBTS). Cost increase in FY24 is due to the hardware acquisition of Ground Based Training System (GBTS) which will procure two Operational Flight Trainers (OFT), three Unit Training Devices (UTD) and five-part task trainers. (4) 2.6) Consists of Contractor System Engineering/Program Management (SEPM) during production and Program Office SEPM. (5) 2.7) Other ILS Support budget is an estimate of aircraft specific items, including access to data rights, software licenses, Mission Planning System Hardware, Optimized Organizational Maintenance Activity (OOMA)/Naval Aviation Logistics Command Management Information System (NALCOMIS) baseline configuration, Manpower Analysis and Curriculum updates.				

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1			P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)					Item Number / Title [DODIC]: 1 / Multi-Engine Training System				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	TEXTRON AVIATION INC / WICHITA KS	C / FFP	NAVAIR	Jan 2023	Jan 2024	10	8,922.200	Y		Dec 2021
1.1.1) Airframe/CFE <sup>(†)</sup>		2024	TEXTRON AVIATION INC / WICHITA KS	C / FFP	NAVAIR	Dec 2023	Oct 2024	26	8,567.077	Y		

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)										Item Number / Title [DODIC]: 1 / Multi-Engine Training System																			
Cost Elements (Units in Each)						Fiscal Year 2023														Fiscal Year 2024																			
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE																																							
1	2023	NAVY	10	0	10				A -	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	1	1						0							
1	2024	NAVY	26	0	26																A -	-	-	-	-	-	-	-	-	-	-	-	26						

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0343 / Multi-Engine Training System (METS)										Item Number / Title [DODIC]: 1 / Multi-Engine Training System																								
Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026																									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E													
1.1.1) Airframe/CFE																																												
1	2023	NAVY	10	10	0																																0							
1	2024	NAVY	26	0	26	2	2	2	2	2	2	2	2	2	2	2	3	3	2																0									
																				O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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<b>Exhibit P-21, Production Schedule: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 03 / 1			<b>P-1 Line Item Number / Title:</b> 0343 / Multi-Engine Training System (METS)					<b>Item Number / Title [DODIC]:</b> 1 / Multi-Engine Training System				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TEXTRON AVIATION INC - WICHITA KS	10	24	36	10	4	12	16	0	3	10	13

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft				<b>P-1 Line Item Number / Title:</b> 0344 / Advanced Helicopter Training System								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A				<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	68	36	26	-	-	-	-	-	-	-	-	130
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	365.420	163.490	119.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	648.726
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	365.420	163.490	119.816	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	648.726
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>365.420</b>	<b>163.490</b>	<b>119.816</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>-</b>	<b>648.726</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	13.223	21.522	-	-	-	-	-	-	-	-	34.745
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	4,136.647	4,061.083	4,253.500	-	-	-	-	-	-	-	-	4,139.092
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	5,373.824	4,541.389	4,608.308	-	-	-	-	-	-	-	-	4,990.200
<b>Description:</b>												
The Advanced Helicopter Training System (AHTS) is a system-of-systems that provides the capability to train advanced rotary wing and intermediate tilt-rotor students for designation as Naval Aviators in the Navy, Marine Corps, and Coast Guard. AHTS consists of: 1) the TH-73A air vehicle, 2) the Ground Based Training System (GBTS), including flight training devices, revised curriculum, computer-aided instruction, classroom instruction, and the facilities to permanently house them, and 3) the maintenance and logistics infrastructure necessary to ensure defined aircraft availability rates. The TH-73A will meet all requirements under Federal Aviation Regulations to operate under both visual flight rules (VFR) and instrument flight rules (IFR) within the United States national airspace system. The TH-73A and GBTS will train helicopter familiarization, basic and radio instruments, and basic warfighting skills. Basic warfighting skills include: energy management, night vision devices, terrain flight, formation flight, confined area and pinnacle landings, external load and vertical replenishment operations, search and rescue (SAR) including hoist and shipboard operations.												
AHTS addresses capacity and capability gaps for the Chief of Naval Air Training (CNATRA) rotary training pipeline identified in the Naval Aviation Undergraduate Training (C-NAUT) Capabilities Based Assessment (CBA) completed in 2015. The CBA identified a common theme of technological obsolescence and mechanical deficiencies requiring a new acquisition or updates to aircraft and simulators.												
This line item provides funding for procurement of TH-73A aircraft, which is single, commercially available Type/Model/Series (T/M/S), with a digital cockpit (glass) air vehicle without development, testing, or modification of existing commercial equipment. This plan will assure continuity of a student naval aviator's training transition from primary training to rotary training to the fleet. The costs and quantities budgeted in this document are based on the Firm Fixed Price contract that was awarded in January of FY 2020. Final option is planned for FY 2023. Anticipated aircraft service life of 25-30 years.												

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 03: Trainer Aircraft / BSA 1: Trainer Aircraft				<b>P-1 Line Item Number / Title:</b> 0344 / Advanced Helicopter Training System						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> N/A										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/ MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	
P-5	1 / Advanced Helicopter Training System	P-5a, P-21			68 / 365.420	36 / 163.490	26 / 119.816	- / 0.000	- / 0.000	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>68 / 365.420</b>	<b>36 / 163.490</b>	<b>26 / 119.816</b>	<b>- / 0.000</b>	<b>- / 0.000</b>	<b>- / 0.000</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2024 budget submission provides updates for prior years.

The AHTS is the replacement to the TH-57B/C Training System. The aging 35+ year old TH-57B/C Training System faces obsolescence, training deficiencies, increasing maintenance issues, sustainment costs, and safety of flight concerns. Rotary training represents Chief of Naval Air Training (CNATRA) highest demand pipeline and is the only CNATRA platform remaining with analog cockpit technology. The Navy completed a Capability Based Assessment for Naval Aviation Undergraduate Training (C-NAUT) that identified a significant number of capability gaps within rotary training, significant reliability and safety of flight deficiencies, as well as an inability to meet pilot production requirements. Additionally, operations and support costs for the legacy TH-57 Aircraft Conditional Inspection (ACI), required every five years, have increased from \$80K per aircraft ten years ago to \$694K per aircraft today. The TH73A contract will provide ample amount of aircraft to transition to a modern training solution that better prepares pilots for fleet integration. This budget ensures that the training helicopter is delivered to the fleet as quickly as possible to replace the aging TH-57B/C Training System.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023						
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 03 / 1				<b>P-1 Line Item Number / Title:</b> 0344 / Advanced Helicopter Training System								<b>Item Number / Title [DODIC]:</b> 1 / Advanced Helicopter Training System						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>						
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>			
Procurement Quantity ( <i>Units in Each</i> )							68		36		26		-		-			
Gross/Weapon System Cost (\$ in Millions)							365.420		163.490		119.816		0.000		0.000			
Less PY Advance Procurement (\$ in Millions)							-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)							365.420		163.490		119.816		0.000		0.000			
Plus CY Advance Procurement (\$ in Millions)							-		-		-		-		-			
<b>Total Obligation Authority</b> (\$ in Millions)							365.420		163.490		119.816		0.000		0.000			
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)							-		13.223		21.522		-		-			
Gross/Weapon System Unit Cost (\$ in Thousands)							5,373.824		4,541.389		4,608.308		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE <sup>(†)</sup>	4,136.647	68	281.292	4,061.083	36	146.199	4,253.500	26	110.591	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost	-	-	281.292	-	-	146.199	-	-	110.591	-	-	-	-	-	-	-	-	
Subtotal: Flyaway Cost	-	-	281.292	-	-	146.199	-	-	110.591	-	-	-	-	-	-	-	-	
Support Cost																		
2.1) Airframe PGSE	-	-	5.354	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) Engine PGSE	-	-	2.612	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) Avionics PGSE	-	-	5.593	-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	
2.4) Pec Trng Eq	-	-	19.456	-	-	0.536	-	-	-	-	-	-	-	-	-	-	-	
2.5) Pub/Tech Eq	-	-	1.627	-	-	0.273	-	-	-	-	-	-	-	-	-	-	-	
2.6) Prod Eng Supt	-	-	19.009	-	-	7.777	-	-	4.170	-	-	-	-	-	-	-	-	
2.7) Other ILS <sup>(1)</sup>	-	-	30.477	-	-	8.665	-	-	5.055	-	-	-	-	-	-	-	-	
Subtotal: Support Cost	-	-	84.128	-	-	17.291	-	-	9.225	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost	5,373.824	68	365.420	4,541.389	36	163.490	4,608.308	26	119.816	-	-	0.000	-	-	0.000	-	-	0.000
(†) indicates the presence of a P-5a																		
<b>Footnotes:</b>																		
(1) 2.7 Other ILS Support budget is an estimate of aircraft specific items, including Operation, Maintenance, Installation, and Training (OMIT) data, access to data rights, Health and Usage Monitoring System (HUMS) laptops, Mission Planning System Hardware, Manning Analysis and Curriculum Development.																		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1			P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System					Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Jan 2020	Jul 2021	32	4,302.781	Y		Jan 2019
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Dec 2020	Oct 2022	36	3,988.972	Y		
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Dec 2021	Jul 2023	36	4,061.083	Y		
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	AgustaWestland Philadelphia Corp. / Philadelphia, Pennsylvania	C / FFP	PAXR	Dec 2022	Apr 2024	26	4,253.500	Y		

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System										Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System																			
Cost Elements (Units in Each)							Fiscal Year 2020												Fiscal Year 2021																				
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E								
1.1.1) Airframe/CFE																																							
1	2020	NAVY	32 <sup>(2)</sup>	0	32					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	31			
1	2021	NAVY	36	0	36																																		36
1	2022	NAVY	36	0	36																																		36
1	2023	NAVY	26	0	26																																		26
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System										Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System																			
Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023											B A L A N C E									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										
1.1.1) Airframe/CFE																																							
1	2020	NAVY	32 <sup>(2)</sup>	1	31	1	1	1	-	2	3	4	4	3	3	3	3	4	2																	0			
1	2021	NAVY	36	0	36	-	-	-	-	-	-	-	-	-	-	-	-	-	2	4	4	4	4	4	4	4	4	4	2					0					
1	2022	NAVY	36	0	36	A - - - - - - - - - - - -												-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26					
1	2023	NAVY	26	0	26	A - - - - - - - - - - - -												A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26					
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																															
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1										P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System										Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System																														
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025																															
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	FY	Calendar Year 2024												Calendar Year 2025																															
O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																											
1	2020	NAVY	32 <sup>(2)</sup>	32	0																															0														
1	2021	NAVY	36	36	0																															0														
1	2022	NAVY	36	10	26	4	4	4	4	4	4	4	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0																		
1	2023	NAVY	26	0	26	-	-	-	-	-	-	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0																	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																				

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Exhibit P-21, Production Schedule: PB 2024 Navy										Date: March 2023			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 03 / 1				P-1 Line Item Number / Title: 0344 / Advanced Helicopter Training System						Item Number / Title [DODIC]: 1 / Advanced Helicopter Training System			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)								
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder				
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	
1	AgustaWestland Philadelphia Corp. - Philadelphia, Pennsylvania	12	24	36	0	3	12	15	0	3	16	19	

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(2) Initial Production Delays led to one aircraft delivered in July 2021 followed by a two-month gap in August/September 2021 and another gap in January 2022. Deliveries resumed in February 2022. Final 2 aircraft deliveries scheduled for October 2022. Follow on Lots 2 & 3 will be delivered in a 10 month period. Lot 4 will deliver remaining 26 aircraft in a 7 month period.

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J									
ID Code (A=Service Ready, B=Not Service Ready): A			Program Elements for Code B Items: N/A					Other Related Program Elements: N/A					
Line Item MDAP/MAIS Code: 000													
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total	
Procurement Quantity ( <i>Units in Each</i> )	73	6	5	2	-	2	-	-	-	-	25	111	
Gross/Weapon System Cost (\$ in Millions)	5,499.397	599.311	539.589	270.413	0.000	270.413	33.310	18.563	19.605	19.996	3,881.988	10,882.172	
Less PY Advance Procurement (\$ in Millions)	463.166	87.022	100.088	29.122	-	29.122	-	-	-	-	-	679.398	
Net Procurement (P-1) (\$ in Millions)	5,036.231	512.289	439.501	241.291	0.000	241.291	33.310	18.563	19.605	19.996	3,881.988	10,202.774	
Plus CY Advance Procurement (\$ in Millions)	582.188	68.088	29.122	-	-	-	-	-	-	-	-	679.398	
<b>Total Obligation Authority (\$ in Millions)</b>	<b>5,618.419</b>	<b>580.377</b>	<b>468.623</b>	<b>241.291</b>	<b>0.000</b>	<b>241.291</b>	<b>33.310</b>	<b>18.563</b>	<b>19.605</b>	<b>19.996</b>	<b>3,881.988</b>	<b>10,882.172</b>	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)													
Initial Spares (\$ in Millions)	-	33.974	30.276	28.444	-	28.444	22.966	21.091	-	-	-	136.751	
Flyaway Unit Cost (\$ in Thousands)	68,840.562	91,892.333	94,242.400	120,463.500	-	120,463.500	-	-	-	-	143,721.640	89,262.243	
Gross/Weapon System Unit Cost (\$ in Thousands)	75,334.205	99,885.167	107,917.800	135,206.500	-	135,206.500	-	-	-	-	155,279.520	98,037.586	
<b>Description:</b>													
The KC-130J aircraft is an all metal, high-wing, long-range, land-based monoplane. It is designed for cargo, tanker and troop carrier operations. For tanker operations, the aircrew will consist of a pilot, co-pilot, augmented crew member and two air refueling observers. Features include wing mounted refueling pods, an internal cargo ramp and door, crew and cargo compartment pressurization, ground and in-flight refueling, thermal deicing systems, and a Heads-Up Display (HUD). It is designed to take off and land on unimproved runways. The KC-130J aircraft is powered by four Allison AE 2100D3 Turbo-Prop Engines with four six-bladed composite propellers. The cockpit includes state-of-the-art electronics with Liquid Crystal Display (LCD) instrumentation. The improved power performance of the KC-130J provides 40 percent greater range, 25 percent higher cruise ceiling, 46 percent decrease in time-to-climb, 21 percent increase in maximum speed and 41 percent decrease in maximum effort take-off run over the existing KC-130F/R/T models.													
The mission of the KC-130J is to provide tactical in-flight refueling and assault support transport. As a tactical transport, it is capable of conventional or aerial delivery of personnel or cargo. The aircraft is capable of carrying 92 combat troops or 64 paratroopers with equipment or 64 litters when configured as an ambulance. The aircraft is equipped for in-flight refueling to service two aircraft simultaneously and has a removable 3,600 gallon (13,627 liter) fuel tank in the cargo compartment. The KC-130J has the capability to refuel low-speed helicopters, tilt-rotor aircraft and high-speed jet aircraft. Aerial refueling of helicopters is normally conducted at 6,000 feet or below, at an airspeed of 115 KTS TAS and requires a ground change of the refueling basket. In response to the 2018 National Defense Strategy, the Marine Corps has refocused on potential threats in the Indo-Pacific region as an integral partner of the nation's naval expeditionary force and is implementing the Force Design 2030 plan. Included in that plan is the increase in VMGR capacity and the activation of a new KC-130J squadron at MCB Hawaii from FY23-FY26.													
1. Initial spares Prior Year total = \$281.404; Initial spares TC = \$226.608; Total Initial Spares = \$644.762M													
Secondary Distribution	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028				
MCR	Quantity	6	5	2	-	2	-	-	-	-	-	-	
	Total Obligation Authority	580.377	468.623	241.291	-	241.291	33.310	18.563	19.605	19.996			
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-	-	-	
	Total Obligation Authority	580.377	468.623	241.291	-	241.291	33.310	18.563	19.605	19.996			

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A	<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> 000										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>			
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/ MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	1 / KC-130J	P-5a, P-21			73 / 5,499.397	6 / 599.311	5 / 539.589	2 / 270.413	- / 0.000	2 / 270.413
P-40	<b>Total Gross/Weapon System Cost</b>				<b>73 / 5,499.397</b>	<b>6 / 599.311</b>	<b>5 / 539.589</b>	<b>2 / 270.413</b>	<b>- / 0.000</b>	<b>2 / 270.413</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2024 request procures two KC-130J aircraft, associated support equipment for the USMC/USMCR Squadrons, removable 3,600 gallon fuel tanks to account for the inventory increase, initial reliability centered maintenance, and maintenance planning associated with delivery of new aircraft.

This budget supports FY 2019-2023 Multi-Year Procurement III (MYP III) and follow on delivery order for FY 2024 through joint participation with the USAF (Lead Service).

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J										<b>Item Number / Title [DODIC]:</b> 1 / KC-130J								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>							
Procurement Quantity ( <i>Units in Each</i> )						73		6		5		2		-			2				
Gross/Weapon System Cost (\$ in Millions)						5,499.397		599.311		539.589		270.413		0.000		270.413					
Less PY Advance Procurement (\$ in Millions)						463.166		87.022		100.088		29.122		-		29.122					
Net Procurement (P-1) (\$ in Millions)						5,036.231		512.289		439.501		241.291		0.000		241.291					
Plus CY Advance Procurement (\$ in Millions)						582.188		68.088		29.122		-		-		-					
<b>Total Obligation Authority</b> (\$ in Millions)						<b>5,618.419</b>		<b>580.377</b>		<b>468.623</b>		<b>241.291</b>		<b>0.000</b>		<b>241.291</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares (\$ in Millions)						-		33.974		30.276		28.444		-		28.444					
Gross/Weapon System Unit Cost (\$ in Thousands)						75,334.205		99,885.167		107,917.800		135,206.500		-		135,206.500					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>					
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE <sup>(†)</sup> (1)	64,420.260	73	4,702.679	81,881.330	6	491.288	83,867.327	5	419.337	104,244.000	2	208.488	-	-	-	104,244.000	2	208.488			
1.1.2) GFE Electronics	-	-	109.107	-	-	18.625	-	-	15.831	-	-	6.459	-	-	-	-	-	6.459			
1.1.3) Other GFE	-	-	43.865	-	-	4.601	-	-	3.911	-	-	1.595	-	-	-	-	-	1.595			
1.1.4) Block 8.1 DON LAIRCM Production Cut-In <sup>(†)</sup> (2)	3,614.700	10	36.147	3,118.330	6	18.710	3,830.000	5	19.150	4,016.000	2	8.032	-	-	-	4,016.000	2	8.032			
1.1.5) Carbon Brakes Production Cut-In <sup>(†)</sup> (3)	373.333	3	1.120	275.667	6	1.654	338.200	5	1.691	354.500	2	0.709	-	-	-	354.500	2	0.709			
<i>Subtotal: Recurring Cost</i>	-	-	<i>4,892.918</i>	-	-	<i>534.878</i>	-	-	<i>459.920</i>	-	-	<i>225.283</i>	-	-	-	-	-	<i>225.283</i>			
Non Recurring Cost																					
1.2.1) DMSMS/Non-Recur Cost <sup>(4)</sup>	-	-	132.443	-	-	16.476	-	-	11.292	-	-	15.644	-	-	-	-	-	15.644			
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>132.443</i>	-	-	<i>16.476</i>	-	-	<i>11.292</i>	-	-	<i>15.644</i>	-	-	-	-	-	<i>15.644</i>			
<i>Subtotal: Flyaway Cost</i>	-	-	<i>5,025.361</i>	-	-	<i>551.354</i>	-	-	<i>471.212</i>	-	-	<i>240.927</i>	-	-	-	-	-	<i>240.927</i>			
Support Cost																					
2.1) Airframe PGSE <sup>(5)</sup>	-	-	8.380	-	-	2.311	-	-	1.647	-	-	2.492	-	-	-	-	-	2.492			
2.2) Engine PGSE <sup>(6)</sup>	-	-	7.267	-	-	2.438	-	-	1.738	-	-	2.629	-	-	-	-	-	2.629			
2.3) Avionics PGSE <sup>(7)</sup>	-	-	7.521	-	-	5.220	-	-	3.721	-	-	5.629	-	-	-	-	-	5.629			

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Exhibit P-5, Cost Analysis: PB 2024 Navy													Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1					P-1 Line Item Number / Title: 0416 / KC-130J								Item Number / Title [DODIC]: 1 / KC-130J												
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:												
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																									
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total									
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)							
2.4) Pec Trng Eq <sup>(8)</sup>	-	-	183.096	-	-	32.297	-	-	55.467	-	-	12.815	-	-	-	-	-	12.815							
2.5) Pub/Tech Eq	-	-	5.307	-	-	0.075	-	-	0.076	-	-	0.078	-	-	-	-	-	0.078							
2.6) Prod Eng Supt	-	-	104.468	-	-	2.603	-	-	2.655	-	-	2.708	-	-	-	-	-	2.708							
2.7) Other ILS	-	-	139.747	-	-	3.013	-	-	3.073	-	-	3.135	-	-	-	-	-	3.135							
2.8) Miscellaneous Support	-	-	18.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
<i>Subtotal: Support Cost</i>	<i>-</i>	<i>-</i>	<b>474.036</b>	<i>-</i>	<i>-</i>	<b>47.957</b>	<i>-</i>	<i>-</i>	<b>68.377</b>	<i>-</i>	<i>-</i>	<b>29.486</b>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<b>29.486</b>							
Gross/Weapon System Cost	75,334.205	73	5,499.397	99,885.167	6	599.311	107,917.800	5	539.589	135,206.500	2	270.413	-	-	0.000	135,206.500	2	270.413							

(†) indicates the presence of a P-5a

**Footnotes:**

- (1) 1.1.1: FY 2024 funding increase addresses full funding for two KC-130J aircraft outside MYP III negotiated pricing. Increase due to delta between MYP to SYP pricing and additional pricing impacts caused by assumed reduction in LM annual production rate.
- (2) 1.1.4: USMC KC-130J aircraft Block 8.1 and DON LAIRCM Production cut-in was awarded by the USAF as part of the MYPIII Procurement contract (FY 2019-FY 2023) and planned for follow-on delivery order in FY 2024. These costs are broken out separately from the Airframe/CFE costs.
- (3) 1.1.5: USMC KC-130J aircraft Carbon Brakes Production cut-in was awarded by the USAF as part of the MYPIII Procurement contract (FY 2019-FY 2023) and planned for follow-on delivery order in FY 2024. This cost is broken out separately from the Airframe/CFE costs.
- (4) 1.2.1: FY 2024 Diminishing Manufacturing Sources and Material Shortages (DMSMS) increase due to loss of suppliers of components and raw materials having significant impact on USMC KC-130J specific production configurations. Increased DMSMS/NRE is required to fund USMC shared costs with USAF to incorporate component redesigns into the production baseline. FY 2022 amount reflects actual USMC shared costs in support of USAF contracting strategy.
- (5) 2.1: FY 2022 planned Airframe Peculiar Ground Support Equipment (PGSE) procurements reduced to support increased DMSMS/NRE USMC shared costs. FY 2023 planned Airframe PGSE procurements reduced to accelerate Training Systems procurement to support Force Design 2030. FY 2024 planned Airframe PGSE procurements increased to support remaining requirements.
- (6) 2.2: FY 2022 planned Engine PGSE procurements reduced to support increased DMSMS/NRE USMC shared costs. FY 2023 planned Engine PGSE procurements reduced to accelerate Training Systems procurement to support Force Design 2030. FY 2024 planned Engine PGSE procurements increased to support remaining requirements.
- (7) 2.3: FY 2022 planned Avionics PGSE procurements reduced to support increased DMSMS/NRE USMC shared costs. FY 2023 planned Avionics PGSE procurements reduced to accelerate Training Systems procurement to support Force Design 2030. FY 2024 planned Avionics PGSE procurements increased to support remaining requirements.
- (8) 2.4: FY 2024 funding supports procurement of two KC-130J Cockpit Procedure Trainers (CPT), Observer Training Aid (OTA), and Interim Contract Support (ICS) for Fuselage Trainer #6/Weapons System Trainers #5 & #6 as required in the Training contract.

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0416 / KC-130J					Item Number / Title [DODIC]: 1 / KC-130J				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Mar 2020	Apr 2022	3	76,307.017	Y		
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2020	Apr 2023	5	78,975.979	Y		
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Dec 2023	6	81,881.330	Y		
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Apr 2025	5	83,867.327	Y		
1.1.1) Airframe/CFE <sup>(†)</sup>		2024	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Jun 2024	Oct 2026	2	104,244.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(†)</sup>		2020	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Mar 2020	Apr 2022	3	3,626.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(†)</sup>		2021	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2020	Apr 2023	5	3,641.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(†)</sup>		2022	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Dec 2023	6	3,118.330	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(†)</sup>		2023	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Apr 2025	5	3,830.000	Y		
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(†)</sup>		2024	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2023	Apr 2026	2	4,016.000	Y		
1.1.5) Carbon Brakes Production Cut-In		2021	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2020	Apr 2023	3	373.333	Y		
1.1.5) Carbon Brakes Production Cut-In		2022	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Apr 2024	6	275.667	Y		
1.1.5) Carbon Brakes Production Cut-In		2023	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Apr 2025	5	338.200	Y		
1.1.5) Carbon Brakes Production Cut-In		2024	LMAS / Marietta, GA	SS / FFP	USAF Wright Patterson Ohio	Dec 2023	Apr 2026	2	354.500	Y		
<b>Advance Procurement</b>												
For FY 2023 Long Lead / AN/APN-241 (V) Transmitter		2022	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Jan 2024	5	743.822	Y		Jan 2018
For FY 2023 Long Lead / Horizontal Stabilizer Assembly		2022	Tata - Lockheed Martin Aerostructures Limited / Hyderabad, India	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	May 2024	5	566.907	Y		Jan 2018
For FY 2023 Long Lead / LPCR-130-1 Radar Antenna		2022	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2021	Jan 2024	5	403.241	Y		Jan 2018
For FY 2023 LL / Other Proc (APU, structural assemblies, panels, etc)		2022	Various / Various	Various	USAF Wright Patterson Ohio	Mar 2022	Mar 2024	5	8,286.000	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0416 / KC-130J					Item Number / Title [DODIC]: 1 / KC-130J				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
For FY 2024 Long Lead / AN/APN-241(V) Transmitter		2023	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Jan 2025	2	743.822	Y		Jan 2018
For FY 2024 Long Lead / Horizontal Stablizer Assembly		2023	Tato - Lockheed Martin / Tata - Lockheed Martin Aerostructures	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	May 2025	2	566.907	Y		Jan 2018
For FY 2024 Long Lead / Antenna Array		2023	Northrop Grumman / Baltimore	SS / FFP	USAF Wright Patterson Ohio	Dec 2022	Jan 2025	2	403.241	Y		Jan 2018
For FY 2024 LL / Other Proc (APU, structural assemblies, panels, etc)		2023	Various / Various	Various	USAF Wright Patterson Ohio	Mar 2023	Mar 2025	2	8,286.000	Y		
GFE Electronics - FY 2022		2022	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2022	Mar 2024	5	366.331	Y		
GFE Electronics - FY 2023		2023	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2023	Mar 2025	2	373.658	Y		
GFE Electronics - AN/ALR-56M		2022	BAE / Wayne, New Jersey	C / FFP	DLA Warner Robbins AFB	Dec 2021	Dec 2023	5	1,220.767	Y		Jun 2021
GFE Electronics - AN/ALR-56M		2023	BAE / Wayne, New Jersey	C / FFP	DLA Warner Robbins AFB	Dec 2022	Dec 2024	2	1,444.000	Y		Jun 2022
GFE Electronics - LAIRCM		2022	Northrop Grumman / Rolling Meadows, IL	C / CPIF	NAVAIR, Patuxent River, MD	Feb 2022	Mar 2024	5	1,390.161	Y		Aug 2021
GFE Electronics - LAIRCM		2023	Northrop Grumman / Rolling Meadows, IL	C / CPIF	NAVAIR, Patuxent River, MD	Feb 2023	Mar 2025	2	2,090.458	Y		Aug 2022
GFE Other - FY 2022		2022	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2022	Mar 2024	5	408.255	Y		
GFE Other - FY 2023		2023	Various / Various	Various	NAVAIR, Patuxent River, MD	Mar 2023	Mar 2025	2	416.420	Y		
GFE Other - MIDS LVT		2022	Data Link Solutions / Wayne, NJ	C / FFP	Naval Information Warfare System / San Diego, CA	Aug 2022	Aug 2024	5	232.090	Y		Feb 2022
GFE Other - MIDS LVT		2023	Data Link Solutions / Wayne, NJ	C / FFP	Naval Information Warfare System / San Diego, CA	Aug 2023	Aug 2025	2	236.726	Y		Feb 2023

(†) indicates the presence of a P-21

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## **Exhibit P-21, Production Schedule: PB 2024 Navy**

Date: March 2023

**Appropriation / Budget Activity / Budget Sub Activity:**  
1506N / 04 / 1

**P-1 Line Item Number / Title:**  
0416 / KC-130J

**Item Number / Title [DODIC]:**  
1 / KC-130J

Cost Elements (Units in Each)							Fiscal Year 2020												Fiscal Year 2021												B A L A N C E	
O C O #	M F R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	Calendar Year 2020												Calendar Year 2021												B A L A N C E	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
1	2020	NAVY	3	0	3																											
1	2021	NAVY	5	0	5																											
1	2022	NAVY	6	0	6																											
1	2023	NAVY	5	0	5																											
1	2024	NAVY	2	0	2																											
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(2)</sup>																																
Prior Years Deliveries: 2																																
2	2020	NAVY	3	0	3																											
2	2021	NAVY	5	0	5																											
2	2022	NAVY	6	0	6																											
2	2023	NAVY	5	0	5																											
2	2024	NAVY	2	0	2																											
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																																												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0416 / KC-130J										Item Number / Title [DODIC]: 1 / KC-130J																																												
Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023											B A L A N C E																																		
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																																			
O C R O #	FY					Calendar Year 2022												Calendar Year 2023																																														
1.1.1) Airframe/CFE <sup>(1)</sup>																																																																
Prior Years Deliveries: 65																																0																																
1	2020	NAVY	3	0	3	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	3																														
1	2021	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6																													
1	2022	NAVY	6	0	6	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5																														
1	2023	NAVY	5	0	5																																			2																								
1	2024	NAVY	2	0	2																																			0																								
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(2)</sup>																																																																
Prior Years Deliveries: 2																																									0																							
2	2020	NAVY	3	0	3	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3																													
2	2021	NAVY	5	0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	6																													
2	2022	NAVY	6	0	6	-	A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5																													
2	2023	NAVY	5	0	5																																			2																								
2	2024	NAVY	2	0	2																																			0																								

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0416 / KC-130J										Item Number / Title [DODIC]: 1 / KC-130J																			
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025																				
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE <sup>(1)</sup>							Calendar Year 2024												Calendar Year 2025																				
Prior Years Deliveries: 65																																							
1	2020	NAVY	3	3	0																																	0	
1	2021	NAVY	5	2	3	1	-	1	-	1																											0		
1	2022	NAVY	6	0	6	-	-	1	-	-																											1		
1	2023	NAVY	5	0	5	-	-	-	-	-																										1			
1	2024	NAVY	2	0	2																																2		
A -																																							
1.1.4) Block 8.1 DON LAIRCM Production Cut In <sup>(2)</sup>							Prior Years Deliveries: 2																																
2	2020	NAVY	3	3	0																																	0	
2	2021	NAVY	5	2	3	1	-	1	-	1																											0		
2	2022	NAVY	6	0	6	-	-	1	-	-																											1		
2	2023	NAVY	5	0	5	-	-	-	-	-																										1			
2	2024	NAVY	2	0	2																																2		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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<b>Exhibit P-21, Production Schedule: PB 2024 Navy</b>								<b>Date: March 2023</b>				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J					<b>Item Number / Title [DODIC]:</b> 1 / KC-130J				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	LMAS - Marietta, GA	12	24	36	0	6	36	42	0	2	28	30
2	LMAS - Marietta, GA	12	24	36	0	6	36	42	0	2	28	30

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J													
<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A													
<b>Line Item MDAP/MAIS Code:</b> 000																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Gross/Weapon System Cost (\$ in Millions)	582.188	68.088	29.122	-	-	-	-	-	-	-	-	679.398					
Net Procurement (P-1) (\$ in Millions)	582.188	68.088	29.122	-	-	-	-	-	-	-	-	679.398					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>582.188</b>	<b>68.088</b>	<b>29.122</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>679.398</b>					

**Description:**

The KC-130J aircraft is an all metal, high-wing, long-range, land-based monoplane. It is designed for cargo, tanker and troop carrier operations. For tanker operations, the aircrew will consist of a pilot, co-pilot, augmented crew member and two air refueling observers. Features include wing mounted refueling pods, an internal cargo ramp and door, crew and cargo compartment pressurization, ground and in-flight refueling, thermal deicing systems and a Heads-Up Display (HUD). It is designed to take off and land on unimproved runways. The KC-130J is powered by four Allison AE 2100D3 Turbo-Prop Engines with four six-bladed composite propellers. The cockpit includes state-of-the-art electronics with Liquid Crystal Display (LCD) instrumentation. The improved power performance of the KC-130J provides 40 percent greater range, 25 percent higher cruise ceiling, 46 percent decrease in time-to-climb, 21 percent increase in maximum speed and 41 percent decrease in maximum effort take-off run over the existing KC-130F/R/T models.

The mission of the KC-130J is to provide tactical in-flight refueling and assault support transport. As a tactical transport, it is capable of conventional or aerial delivery of personnel or cargo. The aircraft is capable of carrying 92 combat troops or 64 paratroopers with equipment or 64 litters when configured as an ambulance. The aircraft is equipped for in-flight refueling to service two aircraft simultaneously and has a removable 3,600 gallon (13,627 liter) fuel tank in the cargo compartment.

The KC-130J has the capability to refuel low-speed helicopters, tilt-rotor aircraft, and high-speed jet aircraft. Aerial refueling of helicopters is normally conducted at 6,000 feet or below, at an airspeed of 115 KTS TAS and requires a ground change of the refueling basket.

The balance of the funds for end items is included in the budget submission.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>						<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J							
<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A							
<b>Line Item MDAP/MAIS Code:</b> 000											
Exhibits Schedule	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total					
Exhibit Type	Title*	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)			
P-10	1 / KC-130J			73 / 582.188	6 / 68.088	5 / 29.122	2 / -	- / -	2 / -		
P-40	Total Gross/Weapon System Cost			73 / 582.188	6 / 68.088	5 / 29.122	2 / -	- / -	2 / -		

\*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

There is no FY 2024 Advance Procurement funding request.

The FY 2023 Advance Procurement request covers requirements for Airframe Contractor Furnished Equipment (CFE) and Long Lead Government Furnished Equipment (GFE) to support procurement of 2 KC-130J Aircraft for USMC Squadrons under Program Element 0502504M in FY 2024.

Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft. Due to MYPIII pricing structure, aircraft pricing is contingent on delivery year. Aircraft procured with AP deliver one year earlier than aircraft without AP, providing estimated cost savings of \$2 -\$2.5M per aircraft, depending on the FY of delivery assumed.

Previous budget requests supported FY 2019-FY 2023 Multi-Year Procurement Three (MYPIII) with joint participation with the USAF (Lead service).

Full funding for every end item requesting advance procurement is included in the budget submission.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1		<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J			
<b>First System (2024) Award Date:</b> December 2022		<b>First System (2024) Completion Date:</b> April 2025			
First System (2024) Award Date: December 2022	First System (2024) Completion Date: April 2025	<b>Interval Between Systems:</b> 0 Months			
KC-130J	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	FY 2024 (Each)
Quantity		73	6	5	2
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
Prior Year EOQ/Long Lead	0	333.689	-	-	-
For FY 2021 EOQ/Long Lead	0	70.000	-	-	-
For FY 2022 EOQ/Long Lead	0	70.000	-	-	-
For FY 2023 EOQ/Long Lead	0	32.000	-	-	-
For FY 2023 Long Lead / AN/APN-241 (V) Transmitter (†)	0	-	3.719	-	-
For FY 2023 Long Lead / Horizontal Stabilizer Assembly (†)	0	-	2.835	-	-
For FY 2023 Long Lead / LPCR-130-1 Radar Antenna (†)	0	-	2.016	-	-
For FY 2023 LL / Other Proc (APU, structural assemblies, panels, etc) (†)	0	-	41.430	-	-
For FY 2024 Long Lead / AN/APN-241(V) Transmitter (†)	0	-	-	1.488	-
For FY 2024 Long Lead / Horizontal Stablizer Assembly (†)	0	-	-	1.134	-
For FY 2024 Long Lead / Antenna Array (†)	0	-	-	0.806	-
For FY 2024 LL / Other Proc (APU, structural assemblies, panels, etc) (13) (†)	0	-	-	16.572	-
<b>Total: CFE</b>		<b>505.689</b>	<b>50.000</b>	<b>20.000</b>	<b>0.000</b>
<b>GFE</b>					
GFE Electronics	0	66.809	-	-	-
GFE Electronics - FY 2022 (†)	0	-	1.832	-	-
GFE Electronics - FY 2023 (14) (†)	0	-	-	0.747	-
GFE Electronics - AN/ALR-56M (†)	0	-	6.104	2.888	-
GFE Electronics - LAIRCM (†)	0	-	6.951	4.181	-
GFE Other	0	9.690	-	-	-
GFE Other - FY 2022 (†)	0	-	2.041	-	-

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1		<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J			<b>P-5 Number / Title:</b> 1 / KC-130J
<b>First System (2024) Award Date:</b> December 2022		<b>First System (2024) Completion Date:</b> April 2025		<b>Interval Between Systems:</b> 0 Months	
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
GFE Other - FY 2023 <sup>(15)</sup> <sup>(†)</sup>	0	-	-	0.833	-
GFE Other - MIDS LVT <sup>(†)</sup>	0	-	1.160	0.473	-
<i>Total: GFE</i>		76.499	18.088	9.122	0.000
<b>Total Advance Procurement/Obligation Authority</b>		<b>582.188</b>	<b>68.088</b>	<b>29.122</b>	-

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1	<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J			<b>P-5 Number / Title:</b> 1 / KC-130J
<b>FY 2024</b>				
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>
<b>CFE</b>				
Prior Year EOQ/Long Lead	0			
For FY 2021 EOQ/Long Lead	0			
For FY 2022 EOQ/Long Lead	0			
For FY 2023 EOQ/Long Lead	0			
For FY 2023 Long Lead / AN/APN-241 (V) Transmitter (†)	0			
For FY 2023 Long Lead / Horizontal Stabilizer Assembly (†)	0			
For FY 2023 Long Lead / LPCR-130-1 Radar Antenna (†)	0			
For FY 2023 LL / Other Proc (APU, structural assemblies, panels, etc) (†)	0			
For FY 2024 Long Lead / AN/APN-241(V) Transmitter (†)	0			
For FY 2024 Long Lead / Horizontal Stablizer Assembly (†)	0			
For FY 2024 Long Lead / Antenna Array (†)	0			
For FY 2024 LL / Other Proc (APU, structural assemblies, panels, etc) (13) (†)	0			
<b>Total: CFE</b>				<b>0.000</b>
<b>GFE</b>				
GFE Electronics	0			
GFE Electronics - FY 2022 (†)	0			
GFE Electronics - FY 2023 (14) (†)	0			
GFE Electronics - AN/ALR-56M (†)	0			
GFE Electronics - LAIRCM (†)	0			
GFE Other	0			
GFE Other - FY 2022 (†)	0			
GFE Other - FY 2023 (15) (†)	0			
GFE Other - MIDS LVT (†)	0			
<b>Total: GFE</b>				<b>0.000</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>			<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1	<b>P-1 Line Item Number / Title:</b> 0416 / KC-130J	<b>P-5 Number / Title:</b> 1 / KC-130J					
<b>FY 2024</b>							
Cost Elements	QPA (Each)	Production Leadtime (Months)	Unit Cost (\$ K)	Contract Forecast Date	2024 Qty (Each)	For FY	Total Cost Request (\$ M)
<b>Total Advance Procurement/Obligation Authority</b>							-

**Description:**

Aircraft procured with AP/long lead deliver one year earlier than aircraft procured without AP, providing critical 12 month time savings for delivery of aircraft. Due to MYPIII pricing structure, aircraft pricing is contingent on delivery year. Aircraft procured with AP deliver one year earlier than aircraft without AP, providing estimated cost savings of \$2 - \$2.5M per aircraft, depending on the FY of delivery assumed.

The Advance Procurement (AP) funding will be used to procure long lead GFE and CFE items. Material long lead items are CFE (Airframe) (12 months - 24 months), and GFE: SATCOM, AN/ARC-210 (12 months), AN/ALE-47 Countermeasure Dispenser System (12 months), LAIRCM (25 months), AN/AAR-47 Missile Approach Warning System (MAWS) (15 months), AN/ALR-56M Radar Warning Receivers (24 months), Armor Kit A/B (12 months), IFF Transponder (12 months), AN/ARC-190 HF Communication Radio (24 months), KIV-77 Mode 5 (12 months), MIDS-LVT (24 months). All of these long lead items are essential to maintaining the KC-130J delivery schedule.

(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.

**Footnotes:**

(<sup>13</sup>) FY 2024 LL / Other Proc includes the following: Long Lead with 24-25 months: 160 items / 4,573,707 per aircraft (includes: Engine assembly, forward panels, refrigeration unit); Long Lead / 26-28 months / 68 items / \$2,287,914 per aircraft (includes: Throttle assemblies, outer wing flap assembly, bleed air controllers), and Long Lead / 29-37 months / 16 items / \$1,424,379 per aircraft (includes: nose/main strut assemblies, horizontal stabilizer, strut assembly, bleed air controller)FY 2024 Grand Total: \$8,286,000 per aircraft, or \$16,572,000 total.

(<sup>14</sup>) FY 2023 GFE Electronics / 12-24 months / 3 items / \$373,658 per aircraft (includes: AN/AAR Missile Warning Set, AN/ALE-47 Countermeasure Dispenser System, and AN/ARC-210 SATCOM).

(<sup>15</sup>) FY 2023 GFE Other / 12-24 months / 5 items / \$416,420 per aircraft (includes: Armor Kit, Group A, Armor Kit, Group B, IFF Transponder, KIV-77 Mode-5 crypto Applique, and AN/ARC-190 HF communication Receiver/Transmitter).

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON												
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B			<b>Program Elements for Code B Items:</b> 0305220N, 0305421N					<b>Other Related Program Elements:</b> N/A									
<b>Line Item MDAP/MAIS Code:</b> 373																	
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>					
Procurement Quantity ( <i>Units in Each</i> )	15	2	3	2	-	2	-	-	-	-	-	-	22				
Gross/Weapon System Cost (\$ in Millions)	2,930.993	483.151	584.192	486.345	0.000	486.345	187.035	150.170	131.884	136.268	51.700	5,141.738					
Less PY Advance Procurement (\$ in Millions)	316.073	-	-	70.335	-	70.335	-	-	-	-	-	386.408					
Net Procurement (P-1) (\$ in Millions)	2,614.920	483.151	584.192	416.010	0.000	416.010	187.035	150.170	131.884	136.268	51.700	4,755.330					
Plus CY Advance Procurement (\$ in Millions)	316.073	-	70.335	-	-	-	-	-	-	-	-	386.408					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>2,930.993</b>	<b>483.151</b>	<b>654.527</b>	<b>416.010</b>	<b>0.000</b>	<b>416.010</b>	<b>187.035</b>	<b>150.170</b>	<b>131.884</b>	<b>136.268</b>	<b>51.700</b>	<b>5,141.738</b>					
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>																	
Initial Spares (\$ in Millions)	-	28.848	6.406	-	-	-	-	-	-	-	-	-	35.254				
Flyaway Unit Cost (\$ in Thousands)	138,401.600	161,500.000	157,898.000	187,716.000	-	187,716.000	-	-	-	-	-	-	150,481.136				
Gross/Weapon System Unit Cost (\$ in Thousands)	195,399.533	241,575.500	194,730.667	243,172.500	-	243,172.500	-	-	-	-	-	-	233,715.364				
<b>Description:</b>																	
The FY 2024 request provides funding for the procurement of two (2) Triton production aircraft in FY 2024. The MQ-4C Triton inventory requirement has been re-assessed by the Joint Requirements Oversight Council (JROC), which has modified MQ-4C Triton's Capability Development Document (CDD) to reduce total inventory requirement. This reduction established a new total Program of Record (POR) UA quantity from 70 to 27. The total number of aircraft are attributed to the program as 22 production, and 5 development (includes 1 test asset, 1 stricken UA and 25 fleet assets).																	
Production of the remaining aircraft continues through FY 2028. These activities include FY 2024 aircraft production, and funding levels in the Support costs to include trainer/training equipment, peculiar ground support equipment, government and contractor production team, organic and OEM depot capability establishment and fielding of IFC-4 assets in support of OCONUS orbit activations and fleet operations. The program will fund completion of the Identification Friend or Foe (IFF) depot maintenance capabilities and will utilize the Original Equipment Manufacturer (OEM) during the establishment period for depot capability. The MQ-4C Triton UAS is integral to recapitalizing the Navy's Maritime Patrol and Reconnaissance Force.																	
The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. The MQ-4C air vehicle, mission control system, specialized sensors, and communications suite play a significant role in achieving the Navy's strategic vision for the 21st century. The Triton system provides persistent ISR and unparalleled situational awareness of the maritime battle space to the supported combatant commander and fleet commander. The system also serves as a Fleet response plan enabler with a persistent, global force offering to provide critical trip wire information for intelligence preparation of the environment. Triton provides the Warfighter with unprecedented levels of battlespace awareness to synchronize actions necessary to maintain maritime Full Spectrum Superiority. Teamed with its manned-capability counterpart, the P-8A, Triton is a key component of the Navy's maritime domain awareness family of systems. MQ-4C Triton leverages Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies.																	
Following successful EOC deployment in 2020, the MQ-4C Triton UAS is currently developing incremental capabilities within the ongoing acquisition program to meet program requirements in support of the 2011 National Defense Authorization Act (NDAA), and to meet EP-3 sundown and the Maritime Intelligence, Surveillance, Reconnaissance and Targeting (MISR&T) transition plan.																	
The full MQ-4C Triton sensor suite will provide near worldwide coverage through a network of orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2,000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and SIGINT systems. Additionally, the MQ-4C communications relay capability will link dispersed forces in the theater of operations and allow Triton to serve as a node in the Navy's networked strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.																	

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft		<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305220N, 0305421N	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> 373		
IOC: 4Q FY 2023		

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B		<b>Program Elements for Code B Items:</b> 0305220N, 0305421N				<b>Other Related Program Elements:</b> N/A				
<b>Line Item MDAP/MAIS Code:</b> 373										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	
P-5	1 / RQ-4 UAV	P-5a, P-21			15 / 2,930.993	2 / 483.151	3 / 584.192	2 / 486.345	- / 0.000	2 / 486.345
P-40	<b>Total Gross/Weapon System Cost</b>				<b>15 / 2,930.993</b>	<b>2 / 483.151</b>	<b>3 / 584.192</b>	<b>2 / 486.345</b>	<b>- / 0.000</b>	<b>2 / 486.345</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

The FY 2024 request provides funding for two (2) Low Rate Initial Production (LRIP) MQ-4C Triton Unmanned Air Systems (UAS) and one (1) Main Operating Base (MOB) Mission Control System (MCS) in the Increment 1 configuration in FY 2024. The FY 2024 request additionally provides funding levels for key elements of the Support costs to include trainer/training equipment, peculiar ground support equipment, organic or Original Equipment Manufacturer (OEM) depot repair capability, and the Government and contractor production team. The Australian decision is expected in calendar year 2023, to procure further quantities in FY 2023 and FY 2024.

Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to support to adequately fund LRIP 7.

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>													<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON										<b>Item Number / Title [DODIC]:</b> 1 / RQ-4 UAV								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>							
Procurement Quantity ( <i>Units in Each</i> )						15		2		3		2		-			2				
Gross/Weapon System Cost (\$ in Millions)						2,930.993		483.151		584.192		486.345		0.000		486.345					
Less PY Advance Procurement (\$ in Millions)						316.073		-		-		70.335		-		70.335					
Net Procurement (P-1) (\$ in Millions)						2,614.920		483.151		584.192		416.010		0.000		416.010					
Plus CY Advance Procurement (\$ in Millions)						316.073		-		70.335		-		-		-					
<b>Total Obligation Authority</b> (\$ in Millions)						<b>2,930.993</b>		<b>483.151</b>		<b>654.527</b>		<b>416.010</b>		<b>0.000</b>		<b>416.010</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares (\$ in Millions)						-		28.848		6.406		-		-		-					
Gross/Weapon System Unit Cost (\$ in Thousands)						195,399.533		241,575.500		194,730.667		243,172.500		-		243,172.500					
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>					
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)			
Flyaway Cost																					
Recurring Cost																					
1.1.1) Airframe/CFE <sup>(†)</sup> (1)	74,667.933	15	1,120.019	103,305.000	2	206.610	86,991.000	3	260.973	113,078.500	2	226.157	-	-	-	113,078.500	2	226.157			
1.1.2) CFE Electronics	-	-	444.302	-	-	71.004	-	-	87.455	-	-	57.444	-	-	-	-	-	57.444			
1.1.3) GFE Electronics	-	-	0.429	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.4) Engines/Eng Acc	-	-	51.990	-	-	11.674	-	-	13.823	-	-	12.412	-	-	-	-	-	12.412			
1.1.5) Other GFE (2)	-	-	111.516	-	-	21.924	-	-	34.567	-	-	39.418	-	-	-	-	-	39.418			
1.1.6) Rec Flyaway ECO	-	-	21.587	-	-	5.886	-	-	8.381	-	-	7.158	-	-	-	-	-	7.158			
<i>Subtotal: Recurring Cost</i>	-	-	<i>1,749.843</i>	-	-	<i>317.098</i>	-	-	<i>405.199</i>	-	-	<i>342.589</i>	-	-	-	-	-	<i>342.589</i>			
Non Recurring Cost																					
1.2.1) Non-Recur Cost (3)	-	-	224.981	-	-	5.902	-	-	47.608	-	-	11.343	-	-	-	-	-	11.343			
1.2.2) Other <sup>(4)</sup>	-	-	101.200	-	-	-	-	-	20.887	-	-	21.500	-	-	-	-	-	21.500			
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>326.181</i>	-	-	<i>5.902</i>	-	-	<i>68.495</i>	-	-	<i>32.843</i>	-	-	-	-	-	<i>32.843</i>			
<i>Subtotal: Flyaway Cost</i>	-	-	<i>2,076.024</i>	-	-	<i>323.000</i>	-	-	<i>473.694</i>	-	-	<i>375.432</i>	-	-	-	-	-	<i>375.432</i>			
Support Cost																					
2.1) Airframe PGSE (5)	-	-	235.925	-	-	39.099	-	-	44.313	-	-	28.230	-	-	-	-	-	28.230			
2.2) Pec Training Equip (6)	-	-	102.016	-	-	38.606	-	-	12.794	-	-	12.038	-	-	-	-	-	12.038			

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy													<b>Date:</b> March 2023																
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1				<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON									<b>Item Number / Title [DODIC]:</b> 1 / RQ-4 UAV																
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>																
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																													
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>													
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>											
2.3) Pub/Tech Equip <sup>(7)</sup>	-	-	48.720	-	-	4.806	-	-	4.791	-	-	4.844	-	-	-	-	-	4.844											
2.4) Prod Eng Supt <sup>(8)</sup>	-	-	166.954	-	-	31.031	-	-	34.658	-	-	38.579	-	-	-	-	-	38.579											
2.5) Other ILS <sup>(9)</sup>	-	-	283.301	-	-	46.609	-	-	13.942	-	-	27.222	-	-	-	-	-	27.222											
2.6) FY 2021 Enacted Recissions	-	-	18.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
<i>Subtotal: Support Cost</i>	-	-	<b>854.969</b>	-	-	<b>160.151</b>	-	-	<b>110.498</b>	-	-	<b>110.913</b>	-	-	-	-	-	<b>110.913</b>											
<b>Gross/Weapon System Cost</b>	<b>195,399.533</b>	<b>15</b>	<b>2,930.993</b>	<b>241,575.500</b>	<b>2</b>	<b>483.151</b>	<b>194,730.667</b>	<b>3</b>	<b>584.192</b>	<b>243,172.500</b>	<b>2</b>	<b>486.345</b>	<b>-</b>	<b>-</b>	<b>0.000</b>	<b>243,172.500</b>	<b>2</b>	<b>486.345</b>											

(†) indicates the presence of a P-5a

**Footnotes:**

- (1) The MQ-4C Triton inventory requirement has been re-assessed by the Joint Requirements Oversight Council (JROC), which has modified MQ-4C Triton's Capability Development Document (CDD) to reduce total inventory requirement. This reduction established a new total Program of Record (POR) UA quantity from 70 to 27. Increase in unit cost from FY2023 to FY2024 is due to the procurement of fewer units. The difference between FY2022 and FY204 unit cost is attributed to inflationary growth to material costs. Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.
- (2) Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.
- (3) FY 2024 includes non-recurring costs incurred for Diminishing Manufacturing Sources and Material Shortages (DMSMS) and Supplier Requalification. Additionally, some MQ-4C hardware components provided as Government Furnished Material (GFM) are no longer in production and require NRE effort for a form-fit-function replacement in FY 2024 to enable completion of MQ-4C Triton procurements. Non-Recurring cost decreases between FY 2023 and FY 2024 due to the full-funding of form-fit-function replacement of the Keyed BAMS Airborne Recorder in FY 2023 to enable future MQ-4C Triton procurements.
- (4) Other funds Ground Control Station hardware. Starting in FY 2019, ground stations were procured in the Increment 1 configuration. FY 2024 provides funding for one (1) Main Operating Base (MOB) Mission Control System (MCS).
- (5) FY2022 - FY2028 funding in Airframe PGSE supports the minimum investment required to continue the standup of organic depot and intermediate repair and maintenance capability. Organic depot and intermediate level repair and maintenance standup creates the capability for the Navy to support Triton operations at a lower lifecycle cost at required readiness levels. OEM depot repair capability has been assessed to verify that aircraft procurements at a lower production rate and current repair capacity are sufficient to meet demand. Repair capability for major components to include maritime radar, EO/IR sensor, and communications equipment must be in place to meet minimum Orbit readiness levels. The decrease in this line between FY2023 and FY2024 is due to balance of requirements within this budget to support cost growth in other line items due to inflation. Decrease delays some associated efforts with organic depot standup, which are rephased in future years to minimal risk to the program.
- (6) Training equipment is required to field the Increment 1 capability and includes the necessary fidelity for Fleet user familiarization and throughput capacity to align with Orbit standup. Year-to-year costs fluctuate due to the different trainer systems being procured in each year.
- (7) The yearly funding requirement for the Pub/Tech Equipment cost element continues across the FYDP based on the schedule required to procure and standup Intermediate, Organizational, and Depot level maintenance systems required in support of Initial Operational Capability (IOC), Triton's Material Support Date (MSD) and to establish core depot maintenance capabilities within six (6) years of IOC, supporting Section 2464 of Title 10, United States Code.
- (8) FY2023 to FY2024 increase is required to support training associated with Orbit 2 standup as well as supporting deliveries of planned five UA's.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1	<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON	<b>Item Number / Title [DODIC]:</b> 1 / RQ-4 UAV
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>	
(9) Increase from FY2023 to FY2024 is due to the number of systems being stood up for Organic Depot repair capability. In FY2024 more sub-systems are being implemented for Organic Depot Standup.		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0442 / MQ-4 TRITON					Item Number / Title [DODIC]: 1 / RQ-4 UAV				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Airframe/CFE <sup>(†)</sup>		2016	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Aug 2016	Dec 2018	4	74,675.500	Y		Sep 2014
1.1.1) Airframe/CFE <sup>(†)</sup>		2017	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	May 2017	Nov 2019	2	91,951.000	Y		Sep 2015
1.1.1) Airframe/CFE <sup>(†)</sup>		2018	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Dec 2017	Dec 2022	3	65,781.667	Y		Sep 2016
1.1.1) Airframe/CFE <sup>(†)</sup>		2019	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Dec 2019	Oct 2023	3	67,729.330	Y		Sep 2017
1.1.1) Airframe/CFE <sup>(†)</sup>		2020	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Dec 2019	Jun 2024	2	78,763.000	Y		Sep 2018
1.1.1) Airframe/CFE <sup>(†)</sup>		2021	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Mar 2021	Jun 2025	1	79,356.000	Y		Sep 2019
1.1.1) Airframe/CFE <sup>(†)</sup>		2022	Northrop Grumman / Rancho Bernardo, CA	SS / FP	NAVAIR	Jun 2022	Sep 2026	2	103,305.000	Y		Sep 2020
1.1.1) Airframe/CFE <sup>(†)</sup>		2023	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Jul 2023	Jun 2027	3	86,991.000	Y		Jun 2022
1.1.1) Airframe/CFE <sup>(†)</sup>		2024	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	Mar 2024	Jun 2028	2	113,078.500	Y		Feb 2023
<b>Advance Procurement</b>												
CFE - Airframe T.L. (LRIP 7)		2023	Northrop Grumman / Rancho Bernardo, CA	SS / FPIF	NAVAIR	May 2023	Mar 2028	4	15,808.750	Y		May 2022
GFE Other - MIDS JTRS		2023	Rockwell Collins Sim and Trng / Cedar Rapids, IA	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Jul 2024	4	230.000	Y		Oct 2022
GFE Other - High Band/Low Band Radio Cards		2023	Various / Various	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Sep 2023	20	140.000	Y		Oct 2022
GFE Other - Amplifier Mount		2023	Rockwell Collins Sim and Trng / Cedar Rapids, IA	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Feb 2024	4	45.000	Y		Oct 2022
GFE Other - Keyed Bams Airborne Recorder (K-BAR)		2023	Various / Various	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Aug 2025	4	550.000	Y		Oct 2022
GFE Other - ARC 210 Radio		2023	Rockwell Collins Sim and Trng / Cedar Rapids, IA	C / IDIQ	NAWCAD, Patuxent River, MD	May 2023	Feb 2024	20	50.000	Y		Oct 2022

<sup>(†)</sup> indicates the presence of a P-21

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																				
Cost Elements (Units in Each)							Fiscal Year 2016												Fiscal Year 2017																					
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT T	NOV V	DEC C	JAN A N	FEB E B	MAR M A R	APR A P R	MAY M A Y	JUN J U N	JUL J U L	AUG A U G	SEP S E P	OCT O C T	NOV N O V	DEC D E C	JAN J A N	FEB F E B	MAR M A R	APR A P R	MAY M A Y	JUN J U N	JUL J U L	AUG A U G	SEP S E P	B A L A N C E										
1.1.1) Airframe/CFE <sup>(1)</sup>																																								
1	2016	NAVY	4 <sup>(10)</sup>	0	4																																		4	
1	2017	NAVY	2 <sup>(11)</sup>	0	2																																		2	
1	2018	NAVY	3	0	3																																		3	
1	2019	NAVY	3	0	3																																		3	
1	2020	NAVY	2	0	2																																		2	
1	2021	NAVY	1	0	1																																		1	
1	2022	NAVY	2	0	2																																		2	
1	2023	NAVY	3	0	3																																		3	
1	2024	NAVY	2	0	2																																		2	
							OCT T	NOV V	DEC C	JAN A N	FEB E B	MAR M A R	APR A P R	MAY M A Y	JUN J U N	JUL J U L	AUG A U G	SEP S E P	OCT O C T	NOV N O V	DEC D E C	JAN J A N	FEB F E B	MAR M A R	APR A P R	MAY M A Y	JUN J U N	JUL J U L	AUG A U G	SEP S E P										

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV														
Cost Elements (Units in Each)							Fiscal Year 2018												Fiscal Year 2019															
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	Fiscal Year 2018												Fiscal Year 2019											B A L A N C E					
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
1.1.1) Airframe/CFE <sup>(1)</sup>																															0			
1	2016	NAVY	4 <sup>(10)</sup>	0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	-	-	-	-	1	0				
1	2017	NAVY	2 <sup>(11)</sup>	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2				
1	2018	NAVY	3	0	3		A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			
1	2019	NAVY	3	0	3																													3
1	2020	NAVY	2	0	2																													2
1	2021	NAVY	1	0	1																													1
1	2022	NAVY	2	0	2																													2
1	2023	NAVY	3	0	3																													3
1	2024	NAVY	2	0	2																													2
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				B A L A N C E
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																				
Cost Elements (Units in Each)							Fiscal Year 2020												Fiscal Year 2021																					
O C O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											
O C R O #	FY					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P											
1.1.1) Airframe/CFE <sup>(1)</sup>																																								
1	2016	NAVY	4 <sup>(10)</sup>	4	0																																		0	
1	2017	NAVY	2 <sup>(11)</sup>	0	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1					
1	2018	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
1	2019	NAVY	3	0	3	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					
1	2020	NAVY	2	0	2	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2						
1	2021	NAVY	1	0	1																																	1		
1	2022	NAVY	2	0	2																																	2		
1	2023	NAVY	3	0	3																																	3		
1	2024	NAVY	2	0	2																																	2		
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P										

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																				B A L A N C E				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																								
Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023																									
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P															
1.1.1) Airframe/CFE <sup>(1)</sup>																																												
1	2016	NAVY	4 <sup>(10)</sup>	4	0																																						0	
1	2017	NAVY	2 <sup>(11)</sup>	1	1	1																																				0		
1	2018	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0							
1	2019	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3							
1	2020	NAVY	2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2								
1	2021	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1								
1	2022	NAVY	2	0	2													A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2						
1	2023	NAVY	3	0	3																																							3
1	2024	NAVY	2	0	2																																						2	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P														

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																								
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																								
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025																									
O C O #	M F R	R #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E												
1.1.1) Airframe/CFE <sup>(1)</sup>																															0													
1	2016	NAVY		4	4	0																											0											
1	2017	NAVY		2	2	0																											0											
1	2018	NAVY		3	3	0																											0											
1	2019	NAVY		3	0	3	1	-	1	-	1																					0												
1	2020	NAVY		2	0	2	-	-	-	-	-	-	-	-	-	-	1	-	1												0													
1	2021	NAVY		1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0														
1	2022	NAVY		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2														
1	2023	NAVY		3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3														
1	2024	NAVY		2	0	2																												2										
																				O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023												
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV											
Cost Elements (Units in Each)							Fiscal Year 2026												Fiscal Year 2027												
O C O #	M F R	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E
1.1.1) Airframe/CFE <sup>(1)</sup>																															
1	2016	NAVY		4 <sup>(10)</sup>	4	0																									0
1	2017	NAVY		2 <sup>(11)</sup>	2	0																									0
1	2018	NAVY		3	3	0																									0
1	2019	NAVY		3	3	0																									0
1	2020	NAVY		2	2	0																									0
1	2021	NAVY		1	1	0																									0
1	2022	NAVY		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1					0		
1	2023	NAVY		3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	1	
1	2024	NAVY		2	0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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Exhibit P-21, Production Schedule: PB 2024 Navy																			Date: March 2023																					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0442 / MQ-4 TRITON										Item Number / Title [DODIC]: 1 / RQ-4 UAV																				
Cost Elements (Units in Each)							Fiscal Year 2028												Fiscal Year 2029																					
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E									
1.1.1) Airframe/CFE <sup>(1)</sup>																																								
1	2016	NAVY	4	4	0																																	0		
1	2017	NAVY	2	2	0																																	0		
1	2018	NAVY	3	3	0																																	0		
1	2019	NAVY	3	3	0																																	0		
1	2020	NAVY	2	2	0																																	0		
1	2021	NAVY	1	1	0																																	0		
1	2022	NAVY	2	2	0																																	0		
1	2023	NAVY	3	2	1	-	-	-	-																												0			
1	2024	NAVY	2	0	2	-	-	-	-																												0			

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<b>Exhibit P-21, Production Schedule: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON					<b>Item Number / Title [DODIC]:</b> 1 / RQ-4 UAV				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Northrop Grumman - Rancho Bernardo, CA	3	6	12	12	10	21	31	12	7	34	41

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(10) FY 2016 funding provides for 3 aircraft in LRIP-1 and 1 aircraft in LRIP-2.

(11) The Department provided funding for an in-line production change to deliver FY 2017 funded aircraft B12 in a Multi-INT vice Baseline configuration. Because of this in-line production change, the expected delivery date for aircraft B12 changed from October 2022 to August 2023. The P21 reflects the delivery of B12 as October 2021 because PDOCS will not allow a delivery period greater than 24 months. The forced retrofit was previously scheduled to commence FY 2024 with an expected delivery of April 2025. Conducting the Multi-INT retrofit as an in-line production change represents a 20-month improvement over the expected delivery date.

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON													
<b>Program Elements for Code B Items:</b> 0305220N, 0305421N				<b>Other Related Program Elements:</b> N/A													
Line Item MDAP/MAIS Code: 373																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Gross/Weapon System Cost (\$ in Millions)	316.073	-	70.335	-	-	-	-	-	-	-	-	386.408					
Net Procurement (P-1) (\$ in Millions)	316.073	-	70.335	-	-	-	-	-	-	-	-	386.408					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>316.073</b>	<b>-</b>	<b>70.335</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>386.408</b>					
<b>Description:</b> The FY 2024 request provides funding for the procurement of two (2) Triton production aircraft in FY 2024. This budget supports funding levels in the Support costs to include trainer/training equipment, peculiar ground support equipment, government and contractor production team, organic and OEM depot capability establishment and fielding of IFC-4 assets.  Production of the remaining aircraft continues through FY 2028. These activities include FY 2024 aircraft production, and funding levels in the support costs to include trainer/training equipment, peculiar ground support equipment, government and contractor production team, organic and OEM depot capability establishment and fielding of IFC-4 assets in support of OCONUS orbit activations and fleet operations. The program will fund completion of the Identification Friend or Foe (IFF) depot maintenance capabilities and will utilize the Original Equipment Manufacturer (OEM) during the establishment period for depot capability. The MQ-4C Triton UAS is integral to recapitalizing the Navy's Maritime Patrol and Reconnaissance Force.  The MQ-4C Triton is a high altitude-long endurance UAS designed to provide Fleet and combatant commanders with persistent maritime Intelligence, Surveillance and Reconnaissance (ISR) of nearly all the world's high-density sea-lanes, littorals, and areas of national interest. The MQ-4C air vehicle, mission control system, specialized sensors, and communications suite play a significant role in achieving the Navy's strategic vision for the 21st century. The Triton system provides persistent ISR and unparalleled situational awareness of the maritime battle space to the supported combatant commander and fleet commander. The system also serves as a Fleet response plan enabler with a persistent, global force offering to provide critical trip wire information for intelligence preparation of the environment. Triton provides the Warfighter with unprecedented levels of battlespace awareness to synchronize actions necessary to maintain maritime Full Spectrum Superiority. Teamed with its manned-capability counterpart, the P-8A, Triton is a key component of the Navy's maritime domain awareness family of systems. MQ-4C Triton leverages Maritime Patrol and Reconnaissance Force manpower, training and maintenance efficiencies. Following successful EOC deployment in 2020, the MQ-4C Triton UAS is currently developing incremental capabilities within the ongoing acquisition program to meet program requirements in support of the 2011 National Defense Authorization Act (NDAA), and to meet EP-3 sundown and the Maritime Intelligence, Surveillance, Reconnaissance and Targeting (MISR&T) transition plan.  The full MQ-4C Triton sensor suite will provide near worldwide coverage through a network of orbits inside and outside continental United States, with sufficient air vehicles to remain airborne for 24 hours a day, 7 days a week, out to ranges of 2,000 nautical miles. Onboard sensors will provide detection, classification, tracking and identification of maritime targets and include maritime radar, electro-optical/infra-red and SIGINT systems. Additionally, the MQ-4C communications relay capability will link dispersed forces in the theater of operations and allow Triton to serve as a node in the Navy's networked strategy. Tactical-level data analysis will occur in real-time at shore-based mission control sites connected to the air vehicle via satellite communications. Further intelligence exploitation can be conducted at Fleet shore-based sites or aboard aircraft carriers and other ships.																	

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>					<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON										
<b>Program Elements for Code B Items:</b> 0305220N, 0305421N				<b>Other Related Program Elements:</b> N/A										
Line Item MDAP/MAIS Code: 373														
Exhibits Schedule	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total								
Exhibit Type	Title*	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)				
P-10	1 / RQ-4 UAV			15 / 316.073	2 / -	3 / 70.335	2 / -							2 / -
P-40	Total Gross/Weapon System Cost			15 / 316.073	2 / -	3 / 70.335	2 / -							2 / -

\*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY2024: FY 2023 Advanced Procurement funding supports FY 2024 aircraft procurements. FY 2024 represents the final year of aircraft procurements based on the programs current inventory objective. No additional Advanced Procurement funding is required beyond FY 2023 based on this inventory position.

Full funding for every end item requesting advance procurement is included in the budget submission.

Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023	
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1				<b>P-5 Number / Title:</b> 1 / RQ-4 UAV	
<b>First System (2024) Award Date:</b> January 2016	<b>First System (2024) Completion Date:</b> January 2018			<b>Interval Between Systems:</b> 12 Months	
RQ-4 UAV	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)	
Quantity		15	2	3	
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)	FY 2024 (\$ M)
<b>CFE</b>					
CFE - Airframe T.L. (Prior Years)	0	275.031	-	-	-
CFE - Airframe T.L. (LRIP 7) <sup>(16) (†)</sup>	0	-	-	63.235	-
<i>Total: CFE</i>		275.031	-	63.235	0.000
<b>GFE</b>					
GFE Other (Prior Years)	0	22.989	-	-	-
GFE Other - MIDS JTRS <sup>(17) (†)</sup>	0	-	-	0.920	-
GFE Other - High Band/Low Band Radio Cards <sup>(18) (†)</sup>	0	-	-	2.800	-
GFE Other - Amplifier Mount <sup>(19) (†)</sup>	0	-	-	0.180	-
GFE Other - Keyed Bams Airborne Recorder (K-BAR) <sup>(20) (†)</sup>	0	-	-	2.200	-
GFE Other - ARC 210 Radio <sup>(21) (†)</sup>	0	-	-	1.000	-
<i>Total: GFE</i>		22.989	-	7.100	0.000
<b>Other</b>					
FY 2021 Enacted Recissions	0	18.053	-	-	-
<i>Total: Other</i>		18.053	-	-	0.000
<b>Total Advance Procurement/Obligation Authority</b>		<b>316.073</b>	-	<b>70.335</b>	-

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1		<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON			<b>P-5 Number / Title:</b> 1 / RQ-4 UAV								
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>FY 2024</b>											
		<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>	<b>For FY</b>	<b>Total Cost Request (\$ M)</b>						
<b>CFE</b>													
CFE - Airframe T.L. (Prior Years)	0						-						
CFE - Airframe T.L. (LRIP 7) <sup>(16) (†)</sup>	0						-						
<i>Total: CFE</i>													
<b>GFE</b>													
GFE Other (Prior Years)	0						-						
GFE Other - MIDS JTRS <sup>(17) (†)</sup>	0						-						
GFE Other - High Band/Low Band Radio Cards <sup>(18) (†)</sup>	0						-						
GFE Other - Amplifier Mount <sup>(19) (†)</sup>	0						-						
GFE Other - Keyed Bams Airborne Recorder (K-BAR) <sup>(20) (†)</sup>	0						-						
GFE Other - ARC 210 Radio <sup>(21) (†)</sup>	0						-						
<i>Total: GFE</i>													
<b>Other</b>													
FY 2021 Enacted Recissions	0						-						
<i>Total: Other</i>													
<b>Total Advance Procurement/Obligation Authority</b>													
<b>Description:</b>													
The MQ-4C Triton Advance Procurement (AP) funding will be used to procure long lead CFE and GFE material for subsystems such as, but not limited to, the Multi-Function Active Sensor (MFAS) radar, landing gear, wings, and wide band command and control system. Airframe/CFE requirements are calculated on a Termination Liability (TL) basis, reflecting the contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. GFE material includes Multifunctional Information Distribution System Joint Tactical Radio System (MIDS JTRS), High Band/Low Band Radio Cards, Amplifier Mounts, Keyed Bams Airborne Recorder (K-BAR), and ARC 210 radios.													
The MQ-4C Triton program has assessed that Advanced Procurement (AP) funding reduces the production schedule by 12 months through the utilization of AP funding to buy the requested long lead items. Additionally, the program assess costs avoidance of ~\$2.846M per UA through materials bundling/Economic Order Quantity as well as cost of escalations and varying material cost. These cost savings have already factored into budgeted values within this exhibit.													
(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.													
<b>Footnotes:</b>													
(16) Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.													

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1	<b>P-1 Line Item Number / Title:</b> 0442 / MQ-4 TRITON	<b>P-5 Number / Title:</b> 1 / RQ-4 UAV
(17) GFE Other - Multifunctional Information Distribution System Joint Tactical Radio System (MIDS JTRS) includes one (1) unit per MQ-4C Triton aircraft. Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.		
(18) GFE Other - High Band/Low Band Radio Cards includes one (1) set of two (2) High Band Cards and three (3) Low Band Cards per MQ-4C Triton aircraft. Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.		
(19) GFE Other - Amplifier Mount includes one (1) unit per MQ-4C Triton aircraft. Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.		
(20) GFE Other - Keyed Bams Airborne Recorder (K-BAR) includes one (1) KBAR unit per MQ-4C Triton aircraft. Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.		
(21) GFE Other - ARC 210 Radio includes five (5) radios per MQ-4C Triton aircraft. Airframe CFE and Other GFE cost codes accounts for the adjustments in quantities and utilizes the existing Advanced Procurement (AP) profile in order to fully fund a usable end item to support the two aircraft procurements planned in FY 2024. Material and production costs are greater than anticipated, and the full amount of FY23 AP is required to adequately fund LRIP 7.		

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft										<b>P-1 Line Item Number / Title:</b> 0443 / MQ-8 UAV			
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A				<b>Program Elements for Code B Items:</b> N/A								<b>Other Related Program Elements:</b> N/A	
<b>Line Item MDAP/MAIS Code:</b> 253													
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>	
Procurement Quantity ( <i>Units in Each</i> )	59	-	-	-	-	-	-	-	-	-	-	59	
Gross/Weapon System Cost (\$ in Millions)	1,378.001	49.249	0.000	1.546	0.000	1.546	6.752	0.000	0.000	0.000	-	1,435.548	
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P-1) (\$ in Millions)	1,378.001	49.249	0.000	1.546	0.000	1.546	6.752	0.000	0.000	0.000	-	1,435.548	
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Total Obligation Authority (\$ in Millions)</b>	<b>1,378.001</b>	<b>49.249</b>	<b>0.000</b>	<b>1.546</b>	<b>0.000</b>	<b>1.546</b>	<b>6.752</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>1,435.548</b>	
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>													
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-	
Flyaway Unit Cost (\$ in Thousands)	16,779.814	-	-	-	-	-	-	-	-	-	-	17,302.949	
Gross/Weapon System Unit Cost (\$ in Thousands)	23,355.949	-	-	-	-	-	-	-	-	-	-	24,331.322	
<b>Description:</b> The MQ-8 Unmanned Air System is a Joint Military Intelligence Program.													
The MQ-8C Fire Scout is a vertical take-off and landing, expeditionary, unmanned aircraft system (UAS) capable of day/night ship and shore-based operations. Fire Scout provides an airborne, unmanned, sea-based, persistent intelligence, surveillance, reconnaissance and targeting (ISR-T) asset to the host Littoral Combat Ship (LCS) platform or suitably equipped air capable ships (SEACS) without the reliance on limited joint theater or national assets. The MQ-8C Fire Scout system of systems includes the Mission Control System (MCS), Unmanned Common Aircraft Recovery System (UCARS) (required for shipboard only), and Tactical Common Data Link (TCDL) for MQ-8C command & control and payload data transmission.													
The program procured a total of 68 (59 procurement and nine (9) RDTEN) air vehicles 30 MQ-8Bs and 38 MQ-8Cs. The program sustains Nineteen 19 MQ-8C Fire Scout Operational air vehicles (17 allocated to Fleet, two (2) allocated to UX24) with no further contract deliveries. 17 MQ-8Cs are in long term preservation located at the Fleet Contractor Field Team (CFT) supported storage and maintenance facility at Naval Base Ventura County (NBVC) Pt. Mugu, CA. Two (2) MQ-8Cs were stricken due to attrition. All 30 MQ-8B's have been fully sun downed as of 30 September 2022.													
A deployed MQ-8 system includes AV(s), payloads (i.e. electro-optical/infrared/laser designator-range finder, Automated Identification System, voice communications relay, Radar, and other specialty payloads), MCS (with TCS and TCDL integrated for interoperability), UCARS for automatic launch and recovery, and associated spares and support equipment. The quantities and schedules for MCS and UCARS components are based on host ship requirements, while quantities and schedules for air vehicle components, support equipment, and training equipment are based on operational deployment plans. A limited number of land-based MCS supplement the shipboard systems to support shore-based operations, such as pre-deployment or acceptance functional check flights. These land-based MCS will also support depot-level maintenance/post-maintenance activities.													
MQ-8 systems will support missions on LCS and/or suitably-equipped air capable ships and land based MQ-8 requirements. Quantities of air vehicles are derived from LCS and/or suitably-equipped air capable ship deployment requirements for Surveillance and Reconnaissance, and Surface Warfare and Mine Countermeasures mission sets. Future ships supported include FFG.													

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					<b>P-1 Line Item Number / Title:</b> 0443 / MQ-8 UAV							
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A		<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> N/A						
<b>Line Item MDAP/MAIS Code:</b> 253												
Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total			
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)			
P-5	1 / MQ-8 UAV				59 / 1,378.001	- / 49.249	- / 0.000	- / 1.546	- / 0.000			
P-40	Total Gross/Weapon System Cost				59 / 1,378.001	- / 49.249	- / 0.000	- / 1.546	- / 0.000			

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY 2024 budget funds system wholeness for MQ-8 ancillary equipment, integration and installation. Funding will provide MCS integration, trainers, training equipment, courseware, peculiar support equipment, integration stage testing and support. System wholeness is required to field and support procured air vehicles and MCS in support of operations onboard LCS, other suitably-equipped air capable ships, and land-based MQ-8 requirements. Funding increase supports six (6) additional MQ-8C Air Vehicles removed from long term preservation for future deployments aboard an additional five (5) LCS.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy												<b>Date:</b> March 2023								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0443 / MQ-8 UAV									<b>Item Number / Title [DODIC]:</b> 1 / MQ-8 UAV								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>						
Procurement Quantity ( <i>Units in Each</i> )						59		-		-		-		-						
Gross/Weapon System Cost (\$ in Millions)						1,378.001		49.249		0.000		1.546		0.000		1.546				
Less PY Advance Procurement (\$ in Millions)						-		-		-		-		-		-				
Net Procurement (P-1) (\$ in Millions)						1,378.001		49.249		0.000		1.546		0.000		1.546				
Plus CY Advance Procurement (\$ in Millions)						-		-		-		-		-		-				
<b>Total Obligation Authority</b> (\$ in Millions)						1,378.001		49.249		0.000		1.546		0.000		1.546				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares (\$ in Millions)						-		-		-		-		-		-				
Gross/Weapon System Unit Cost (\$ in Thousands)						23,355.949		-		-		-		-		-				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																				
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>				
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)		
Flyaway Cost																				
Recurring Cost																				
1.1.1) Airframe/CFE	10,990.373	59	648.432	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.2) GFE Electronics	-	-	128.256	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
<i>Subtotal: Recurring Cost</i>	-	-	<i>776.688</i>	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Non Recurring Cost																				
1.2.1) Non-Recur Cost	-	-	25.504	-	-	5.286	-	-	-	-	-	-	-	-	-	-	-			
1.2.2) Ancillary Equipment <sup>(1)</sup>	-	-	187.817	-	-	22.147	-	-	-	-	-	0.421	-	-	-	-	0.421			
<i>Subtotal: Non Recurring Cost</i>	-	-	<i>213.321</i>	-	-	<i>27.433</i>	-	-	-	-	-	0.421	-	-	-	-	<i>0.421</i>			
<i>Subtotal: Flyaway Cost</i>	-	-	<i>990.009</i>	-	-	<i>27.433</i>	-	-	-	-	-	0.421	-	-	-	-	<i>0.421</i>			
Support Cost																				
2.1) Airframe PGSE	-	-	26.547	-	-	4.849	-	-	-	-	-	-	-	-	-	-	-			
2.2) Avionics PGSE	-	-	3.404	-	-	4.409	-	-	-	-	-	-	-	-	-	-	-			
2.3) Peculiar Training Equipment <sup>(2)</sup>	-	-	88.016	-	-	4.118	-	-	-	-	-	0.711	-	-	-	-	0.711			
2.4) Pubs/Tech Equipment	-	-	19.289	-	-	1.398	-	-	-	-	-	-	-	-	-	-	-			
2.5) Production Engineering Support	-	-	175.768	-	-	5.718	-	-	-	-	-	0.303	-	-	-	-	0.303			
2.6) Other ILS Support	-	-	74.968	-	-	1.324	-	-	-	-	-	0.111	-	-	-	-	0.111			
<i>Subtotal: Support Cost</i>	-	-	<i>387.992</i>	-	-	<i>21.816</i>	-	-	-	-	-	<i>1.125</i>	-	-	-	-	<i>1.125</i>			

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Exhibit P-5, Cost Analysis: PB 2024 Navy												Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0443 / MQ-8 UAV								Item Number / Title [DODIC]: 1 / MQ-8 UAV											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total							
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)					
Gross/Weapon System Cost	23,355.949	59	1,378.001	-	-	49.249	-	-	0.000	-	-	1.546	-	-	0.000	-	-	1.546					

**Footnotes:**

(1) FY24 Ancillary Equipment funding increase provides for integration stage testing in support of MCS installations aboard LCS class ships.

(2) FY24 Peculiar Training Equipment funding increase provides for MCS Maintenance training module for integration into LCS training courseware.

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0444 / STUASLO								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A					<b>Other Related Program Elements:</b> 0305234N, 0305239M				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	15	-	-	-	-	-	-	-	-	-	-	15
Gross/Weapon System Cost (\$ in Millions)	326.426	13.151	2.703	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	342.280
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) (\$ in Millions)	326.426	13.151	2.703	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-	342.280
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority (\$ in Millions)</b>	<b>326.426</b>	<b>13.151</b>	<b>2.703</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	-	<b>342.280</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (\$ in Thousands)	20,493.800	-	-	-	-	-	-	-	-	-	-	21,331.667
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
<b>Description:</b>												
In FY 2019, the RQ-21A Blackjack Unmanned Aircraft System (UAS) program was consolidated and transitioned from being funded in Budget Line Items (BLI) 4737 (RQ-21 UAS) and 4787 (UAS Payloads) Procurement, Marine Corps (PMC) to BLI 0444 (STUASLO) Aircraft Procurement, Navy (APN). Current inventory of USN RQ-21 systems has been satisfied and FY 2017 is the last year of USN RQ-21A BLACKJACK system procurements. The USMC, however, continued to fund RQ-21A BLACKJACK system procurements in FY 2018 with Procurement, Marine Corps (PMC), Budget Line Item (BLI) 4737 and 4787. There are no plans to buy more United States Marine Corps (USMC) Unit RQ-21 systems, however RQ-21 System Component - Air Vehicles (AV) will be procured.												
The requirement for the RQ-21A BLACKJACK (formerly known as The Small Tactical Unmanned Aircraft System (STUAS)) Unmanned Aircraft System is defined in Capability Development Document, dated 18 November 2008 and further defined in the Capability Production Document, dated 15 February 2013. The RQ-21A BLACKJACK program entered the Engineering and Manufacturing Development (EMD) phase of the acquisition process as an Acquisition Category III program on 26 July 2010. On 19 August 2014, RQ-21A BLACKJACK was designated an Acquisition Category II program. Marine Corps Force Design 2030 directs divestment of Group 3 RQ-21A from Marine Unmanned Aerial Vehicle Squadrons (VMU) in FY21 and will complete divestiture in FY23. Office of the Chief of Naval Operations (OPNAV), Naval Special Warfare Branch (N951), directed the United States Navy (USN) divestment of RQ-21A via letter dated 23 January 2023. USN divestment will complete at the conclusion of FY23.												
The RQ-21A BLACKJACK is a USN and USMC program that provides persistent maritime and land-based tactical Intelligence, Surveillance, and Reconnaissance/Target Acquisition support. It is capable of providing actionable intelligence and communications relay for 12-hours of continuous operation per day with a short surge capability of 24-hours continuous operation. The system has an operational radius of 50 nautical miles, further extendable through hub and spoke operations. The Air Vehicle (AV) is capable of airspeeds up to 80 nautical miles per hour with a service ceiling of 15,000 feet. This system brings commanders a dedicated and cost effective airborne ISR sensor system capable of providing actionable intelligence in real time. As an organic, tactical UAS, it supports unit-level force defense, force protection for Naval amphibious assault ships (multi-ship classes) as well Navy and Marine Corp land forces. Furthermore, the RQ-21A supports Naval Missions such as development of a Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and provide support for Naval Units operating from sea/shore in Overseas Contingency Operations.												

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023																																																				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0444 / STUASLO																																																							
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> N/A				<b>Other Related Program Elements:</b> 0305234N, 0305239M																																																				
<b>Line Item MDAP/MAIS Code:</b> N/A																																																											
<table border="1"> <thead> <tr> <th colspan="4">Exhibits Schedule</th> <th>Prior Years</th> <th>FY 2022</th> <th>FY 2023</th> <th>FY 2024 Base</th> <th>FY 2024 OCO</th> <th>FY 2024 Total</th> </tr> <tr> <th>Exhibit Type</th> <th>Title*</th> <th>Subexhibits</th> <th>ID CD</th> <th>MDAP/MAIS Code</th> <th>Quantity / Total Cost (Each) / (\$ M)</th> </tr> </thead> <tbody> <tr> <td>P-5</td> <td>1 / USN RQ-21A Blackjack</td> <td>P-5a</td> <td></td> <td></td> <td>15 / 299.788</td> <td>- / 13.151</td> <td>- / 2.703</td> <td>- / 0.000</td> <td>- / 0.000</td> </tr> <tr> <td>P-5</td> <td>2 / USMC RQ-21 BlackJack</td> <td></td> <td></td> <td></td> <td>- / 26.638</td> <td>- / 0.000</td> <td>- / 0.000</td> <td>- / 0.000</td> <td>- / 0.000</td> </tr> <tr> <td><b>P-40</b></td> <td><b>Total Gross/Weapon System Cost</b></td> <td></td> <td></td> <td></td> <td><b>15 / 326.426</b></td> <td><b>- / 13.151</b></td> <td><b>- / 2.703</b></td> <td><b>- / 0.000</b></td> <td><b>- / 0.000</b></td> </tr> </tbody> </table>										Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Exhibit Type	Title*	Subexhibits	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	Quantity / Total Cost (Each) / (\$ M)	P-5	1 / USN RQ-21A Blackjack	P-5a			15 / 299.788	- / 13.151	- / 2.703	- / 0.000	- / 0.000	P-5	2 / USMC RQ-21 BlackJack				- / 26.638	- / 0.000	- / 0.000	- / 0.000	- / 0.000	<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>15 / 326.426</b>	<b>- / 13.151</b>	<b>- / 2.703</b>	<b>- / 0.000</b>	<b>- / 0.000</b>
Exhibits Schedule				Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total																																																		
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P-5	1 / USN RQ-21A Blackjack	P-5a			15 / 299.788	- / 13.151	- / 2.703	- / 0.000	- / 0.000																																																		
P-5	2 / USMC RQ-21 BlackJack				- / 26.638	- / 0.000	- / 0.000	- / 0.000	- / 0.000																																																		
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>15 / 326.426</b>	<b>- / 13.151</b>	<b>- / 2.703</b>	<b>- / 0.000</b>	<b>- / 0.000</b>																																																		

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

There is no funding request in FY 2024 in support of directed divestment.

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Exhibit P-5, Cost Analysis: PB 2024 Navy													Date: March 2023						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0444 / STUASLO									Item Number / Title [DODIC]: 1 / USN RQ-21A Blackjack						
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:						
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>				
Procurement Quantity ( <i>Units in Each</i> )							15		-		-		-		-				
Gross/Weapon System Cost (\$ in Millions)							299.788		13.151		2.703		0.000		0.000		0.000		
Less PY Advance Procurement (\$ in Millions)							-		-		-		-		-		-		
Net Procurement (P-1) (\$ in Millions)							299.788		13.151		2.703		0.000		0.000		0.000		
Plus CY Advance Procurement (\$ in Millions)							-		-		-		-		-		-		
<b>Total Obligation Authority (\$ in Millions)</b>							<b>299.788</b>		<b>13.151</b>		<b>2.703</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares (\$ in Millions)							-		-		-		-		-		-		
Gross/Weapon System Unit Cost (\$ in Thousands)							19,985.867		-		-		-		-		-		
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																			
Cost Elements	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>			
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Flyaway Cost																			
Recurring Cost																			
1.1.1) RQ-21A Systems	10,838.500	10	108.385	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
1.1.2) USN RQ-21 System Component - Air Vehicles <sup>(†)</sup>	1,261.980	50	63.099	837.500	4	3.350	837.000	2	1.674	-	-	0.000	-	-	0.000	-	-	0.000	
1.1.3) Mobile Ground Control Station	-	-	2,387	-	-	2.060	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
1.1.4) Ancillary Equipment	-	-	45.967	-	-	4.592	-	-	0.892	-	-	0.000	-	-	0.000	-	-	0.000	
1.1.5) Prior Year Scan Eagle Systems	5,640.000	5	28.200	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
<i>Subtotal: Recurring Cost</i>	-	-	<b>248.038</b>	-	-	<b>10.002</b>	-	-	<b>2.566</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	
Non Recurring Cost																			
1.2.1) ICS	-	-	26.682	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
1.2.2) Hardware for Ship Installation	-	-	5.400	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
1.2.3) USN Production Line Shut Down	-	-	0.649	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	
<i>Subtotal: Non Recurring Cost</i>	-	-	<b>32.731</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	
<i>Subtotal: Flyaway Cost</i>	-	-	<b>280.769</b>	-	-	<b>10.002</b>	-	-	<b>2.566</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	
Support Cost																			

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Exhibit P-5, Cost Analysis: PB 2024 Navy												Date: March 2023											
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0444 / STUASLO								Item Number / Title [DODIC]: 1 / USN RQ-21A Blackjack											
ID Code (A=Service Ready, B=Not Service Ready) :												MDAP/MAIS Code:											
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																							
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO										
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)								
2.1) Product Engineering Support	-	-	17.101	-	-	2.600	-	-	0.088	-	-	0.000	-	-	0.000								
2.2) Other ILS	-	-	1.918	-	-	0.549	-	-	0.049	-	-	0.000	-	-	0.000								
<i>Subtotal: Support Cost</i>	-	-	<b>19.019</b>	-	-	<b>3.149</b>	-	-	<b>0.137</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>								
Gross/Weapon System Cost	<b>19,985.867</b>	<b>15</b>	<b>299.788</b>	-	-	<b>13.151</b>	-	-	<b>2.703</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>								

(†) indicates the presence of a P-5a

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0444 / STUASLO					Item Number / Title [DODIC]: 1 / USN RQ-21A Blackjack				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$ K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) USN RQ-21 System Component - Air Vehicles		2022	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Apr 2022	Jun 2022	4	837.500	Y		
1.1.2) USN RQ-21 System Component - Air Vehicles		2023	Insitu, Inc. / Bingen, WA	SS / FFP	NAVAIR HQ, Patuxent River, MD	Feb 2023	Apr 2023	2	837.000	Y		

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Exhibit P-5, Cost Analysis: PB 2024 Navy													Date: March 2023					
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1				P-1 Line Item Number / Title: 0444 / STUASLO									Item Number / Title [DODIC]: 2 / USMC RQ-21 BlackJack					
ID Code (A=Service Ready, B=Not Service Ready) :													MDAP/MAIS Code:					
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>			
Procurement Quantity ( <i>Units in Each</i> )				-			-		-		-		-		-			
Gross/Weapon System Cost (\$ in Millions)				26.638			0.000		0.000		0.000		0.000		0.000			
Less PY Advance Procurement (\$ in Millions)				-			-		-		-		-		-			
Net Procurement (P-1) (\$ in Millions)				26.638			0.000		0.000		0.000		0.000		0.000			
Plus CY Advance Procurement (\$ in Millions)				-			-		-		-		-		-			
<b>Total Obligation Authority (\$ in Millions)</b>				<b>26.638</b>			<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>		<b>0.000</b>			
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)				-			-		-		-		-		-			
Gross/Weapon System Unit Cost (\$ in Thousands)				-			-		-		-		-		-			
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) USMC RQ-21 System Component - Air Vehicles	1,570.167	12	18.842	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) Ancillary Equipment	-	-	4.140	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) Ship Integration	-	-	0.825	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) ICS	-	-	0.640	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) Product Engineering Support	-	-	2.191	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
<i>Subtotal: Recurring Cost</i>	-	-	<i>26.638</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>
<i>Subtotal: Flyaway Cost</i>	-	-	<i>26.638</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>	-	-	<i>0.000</i>
Gross/Weapon System Cost	-	-	<b>26.638</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>	-	-	<b>0.000</b>

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>										<b>Date:</b> March 2023							
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25												
ID Code (A=Service Ready, B=Not Service Ready): B			Program Elements for Code B Items: 0305205N					Other Related Program Elements: N/A									
Line Item MDAP/MAIS Code: P462																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Procurement Quantity ( <i>Units in Each</i> )	-	-	1	3	-	3	4	4	4	7	46	69					
Gross/Weapon System Cost (\$ in Millions)	0.000	0.000	744.181	597.160	0.000	597.160	705.540	707.574	722.495	1,039.612	7,099.479	11,616.041					
Less PY Advance Procurement (\$ in Millions)	-	-	47.468	51.463	-	51.463	50.576	51.570	52.554	83.684	690.427	1,027.742					
Net Procurement (P-1) (\$ in Millions)	0.000	0.000	696.713	545.697	0.000	545.697	654.964	656.004	669.941	955.928	6,409.052	10,588.299					
Plus CY Advance Procurement (\$ in Millions)	-	47.468	51.463	50.576	-	50.576	51.570	52.554	83.684	87.729	602.698	1,027.742					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>0.000</b>	<b>47.468</b>	<b>748.176</b>	<b>596.273</b>	<b>0.000</b>	<b>596.273</b>	<b>706.534</b>	<b>708.558</b>	<b>753.625</b>	<b>1,043.657</b>	<b>7,011.750</b>	<b>11,616.041</b>					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																	
Initial Spares (\$ in Millions)	-	57.749	133.541	42.500	-	42.500	107.136	116.037	116.746	177.711	Continuing	Continuing					
Flyaway Unit Cost (\$ in Thousands)	-	-	566,702.000	168,538.333	-	168,538.333	152,302.250	148,779.250	152,862.750	133,434.571	141,848.152	149,958.710					
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	744,181.000	199,053.333	-	199,053.333	176,385.000	176,893.500	180,623.750	148,516.000	154,336.500	168,348.420					
<b>Description:</b>																	
The FY2024 request includes a reduction in quantities in FY2023 Lot 1 procurement from four to one. LRIP Lot 1 budget quantities are no longer achievable due to the estimated funding required to fully fund obsolescence (\$314M). APN funding required based on the Boeing Rough Order of Magnitude (ROM) for known obsolescence is \$314M (provided in APR 2022). Navy thought it could amortize the obsolescence over LRIP lots until Nov 2022. The MQ-25 design predates the EMD contract, which requires the program to address obsolescence early, creating additional cost pressure on the program for LRIP lots.																	
The requirement for the MQ-25 Carrier Based Unmanned Air System (CBUAS), more recently referred to as the MQ-25 Unmanned Carrier Aviation (UCA) System, is defined in a Capability Development Document (CDD) dated 21 July 2017. The MQ-25 program entered the Engineering and Manufacturing Development (EMD) phase of the acquisition process as an Acquisition Category IB program on 14 August 2018.																	
The MQ-25 program provides an unmanned capability to embark on CVNs as part of the Carrier Air Wing (CVW) to conduct aerial refueling as a primary mission and provide Intelligence, Surveillance, Reconnaissance (ISR) capability as a secondary mission. MQ-25 extends CVW mission effectiveness range, partially mitigates the current Carrier Strike Group (CSG) organic ISR shortfall and fills the future CVW-tanker gap, mitigating Strike Fighter shortfall and preserving F/A-18E/F Fatigue Life for its primary missions. As the first carrier-based, group 5 Unmanned Aircraft System (UAS), MQ-25 pioneers the integration of manned and unmanned operations, demonstrates mature complex sea-based Command, Control, Communications, Computers, and Intelligence (C4I) UAS technologies, and paves the way for future multifaceted multi-mission UAS to pace emerging threats.																	
MQ-25 is designed to conduct aerial refueling and ISR missions. MQ-25 will have the ability to refuel all carrier based fixed wing aircraft capable of aerial refueling and pass sensor data to other aircraft, naval vessels, and ground forces. Sensor data is transmitted at appropriate classification levels, to exploitation nodes afloat and ashore (e.g. Distributed Common Ground System - Navy). The MQ-25 system is sustainable onboard an aircraft carrier, as well as ashore, and is designed to minimize the logistics footprint.																	
MQ-25 achieves these capabilities through the use of a carrier-suitable, semi-autonomous, unmanned Air Segment and the Unmanned Carrier Aviation (UCA) Mission Control System (UMCS) that provides CVN infrastructure modifications and hardware to support MQ-25 operations aboard all NIMITZ class carriers (except CVN 68), all delivered and planned FORD class carriers, and operational shore sites. The Government is the Lead Systems Integrator (LSI), providing government-led system of systems integration for the MQ-25 Program. The program coordinates across all segments and with external stakeholders to ensure program activities are synchronized. MQ-25 interfaces with existing ship and land-based command and control systems, including ISR Tasking, Collection, Processing, Exploitation, and Dissemination systems.																	

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft		<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305205N	<b>Other Related Program Elements:</b> N/A
<b>Line Item MDAP/MAIS Code:</b> P462		
The MQ-25 Program of Record is comprised of 76 air vehicles. Of the 76, four are Engineering Development Models (EDMs) and three are System Demonstration Test Articles (SDTAs), all of which were incrementally funded using RDT&E funds. The remaining 69 aircraft are funded with Aircraft Procurement, Navy (APN).		
Pertinent RDT&E testing milestones: Initial Test and Evaluation: 3Q FY2024 - 3Q FY2026 Initial Operational Test and Evaluation: 3Q FY2026 - 1Q FY2027 Initial Operational Capability: 4Q FY2026		

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023		
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305205N					<b>Other Related Program Elements:</b> N/A			
<b>Line Item MDAP/MAIS Code:</b> P462									
<b>Exhibits Schedule</b>			<b>Prior Years</b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>
P-5	1 / MQ-25	P-5a, P-21			- / 0.000	- / 0.000	1 / 744.181	3 / 597.160	- / 0.000
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>- / 0.000</b>	<b>1 / 744.181</b>	<b>3 / 597.160</b>	<b>- / 0.000</b>
*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.									
Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.									
<p><b>Justification:</b>  The FY 2024 request supports the procurement of three Low Rate Initial Production (LRIP) Lot 2 MQ-25 aircraft, and the advance procurement of long-lead materials in support of four Low Rate Initial Production Lot 3 MQ-25 aircraft. The Low Rate Initial Production Lot 2 contract award is planned for October 2023, and Low Rate Initial Production Lot 3 Advanced Procurement contract award is planned for October 2023.</p> <p>Engines and Contractor Furnished Equipment (CFE)/Government Furnished Equipment (GFE) cost elements are to procure specific equipment needed for that year's aircraft buy. GFE includes, but not limited to, Advanced Networking Tactical System (ANTS), Multifunctional Information Distribution System (MIDS)/Joint Tactical Radio System- (JTRS), Conformal-Controlled Reception Pattern Antenna (C-CRPA), and Advanced Digital Antenna Production -Antenna Electronic (ADAP-AE).</p> <p>The Engineering Change Order (ECO) cost element is funding required to address design changes and incorporate these into the production line.</p> <p>NRE requirements address supplier production line and manufacturing process improvements and procure production rate tooling.</p> <p>Remaining NRE will address new/emergent requirements as they are identified. Tooling supports production rate/supplier tooling for the airframe in support of the current production ramp through Full Rate Production.</p> <p>Obsolescence - FY23 increase in cost from PB23 to PB24 is to address critical obsolescence required to deliver a fully usable end item at the start of LRIP Lot 1 Lot 1 aircraft are critical to MQ-25 second deployment. Known obsolescence issues requiring redesign effort include (\$196.2M) Vehicle Management Systems Computer (VMSC), (\$21.8M) Joint Precision Approach and Landing System (JPALS) Aircraft Computer Systems (JACS), (\$22.6M) Embedded Global Positioning System (GPS)/Inertial Navigation System (INS) (EGI), (\$50.3M) Mission Management System Computer (MMSC), (\$17.9M) Wideband satellite communications (SATCOM) Dual-Channel Modem and (\$5.2M) Radio Frequency Blanker Unit (RFBU) . While these NRE efforts will require the use of funds previously planned for actual aircraft procurement, the MQ-25 design predates the EMD contract, meaning that several components are no longer available and without these non-recurring efforts the aircraft itself cannot be built and flown.</p> <p>Airframe PGSE supports the phased approach of procuring/fielding Common and Peculiar Support Equipment as well as the establishment of organic Intermediate (I) and Depot (D) level repair capability. The Peculiar Training Equipment cost element reflects an updated plan due to new ground control system functionality. The training system requirements are directly aligned to the scheduled site stand-up of two CONUS-based and one OCONUS-based primary deployment sites.</p> <p>Production Support requirements are for Government and Contractor Support Services (CSS) annualized support of the overarching production program. Production Support requirements are annualized efforts required to provide acquisition support, aircraft configuration management, integrated logistics planning and analysis, and engineering support for production.</p> <p>Tech Data includes the publications to support maintaining aircraft to the production configuration.</p> <p>FY 2022 to FY 2024 Initial Spares are required to support MQ-25 first deployment in FY 2026 and long lead-time items for the second deployment.</p> <p>The MQ-25 first deployment consists of two EDM and three SDTA aircraft and is not tied to APN-4 aircraft.</p>									

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<b>Exhibit P-40, Budget Line Item Justification:</b> PB 2024 Navy	<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft	<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): B	<b>Program Elements for Code B Items:</b> 0305205N
<b>Line Item MDAP/MAIS Code:</b> P462	
Full funding for every end item requesting advance procurement is included in the budget submission.	

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<b>Exhibit P-5, Cost Analysis: PB 2024 Navy</b>												<b>Date: March 2023</b>								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25									<b>Item Number / Title [DODIC]:</b> 1 / MQ-25								
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :												<b>MDAP/MAIS Code:</b>								
<b>Resource Summary</b>			<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>						
Procurement Quantity ( <i>Units in Each</i> )						-		-		1		3		-		3				
Gross/Weapon System Cost (\$ in Millions)						0.000		0.000		744.181		597.160		0.000		597.160				
Less PY Advance Procurement (\$ in Millions)						-		-		47.468		51.463		-		51.463				
Net Procurement (P-1) (\$ in Millions)						0.000		0.000		696.713		545.697		0.000		545.697				
Plus CY Advance Procurement (\$ in Millions)						-		47.468		51.463		50.576		-		50.576				
<b>Total Obligation Authority</b> (\$ in Millions)						0.000		47.468		748.176		596.273		0.000		596.273				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares (\$ in Millions)						-		57.749		133.541		42.500		-		42.500				
Gross/Weapon System Unit Cost (\$ in Thousands)						-		-		744,181.000		199,053.333		-		199,053.333				
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																				
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>				
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> (Each)	<b>Total Cost</b> (\$ M)		
Flyaway Cost																				
Recurring Cost																				
1.1.1) Engines/ Accessories <sup>(1)</sup>	-	-	-	-	-	-	-	-	5.356	-	-	15.133	-	-	-	-	-	15.133		
1.1.2) Airframe/CFE *(†)	-	-	-	-	-	-	190,832.000	1	190.832	136,252.667	3	408.758	-	-	-	136,252.667	3	408.758		
1.1.3) GFE Avionics <sup>(2)</sup>	-	-	-	-	-	-	-	-	1.942	-	-	5.432	-	-	-	-	-	5.432		
1.1.4) CFE/Avionics <sup>(3)</sup>	-	-	-	-	-	-	-	-	12.305	-	-	34.416	-	-	-	-	-	34.416		
1.1.5) REC Flyaway ECO <sup>(4)</sup>	-	-	-	-	-	-	-	-	16.679	-	-	27.498	-	-	-	-	-	27.498		
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	-	-	-	227.114	-	-	491.237	-	-	-	-	-	491.237		
Non Recurring Cost																				
1.2.1) NRE <sup>(5)</sup>	-	-	-	-	-	-	-	-	8.700	-	-	14.378	-	-	-	-	-	14.378		
1.2.2) Tooling <sup>(6)</sup>	-	-	-	-	-	-	-	-	17.099	-	-	-	-	-	-	-	-	-		
1.2.3) Obsolescence <sup>(7)</sup>	-	-	-	-	-	-	-	-	313.789	-	-	-	-	-	-	-	-	-		
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	-	-	-	339.588	-	-	14.378	-	-	-	-	-	14.378		
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	-	-	-	566.702	-	-	505.615	-	-	-	-	-	505.615		
Support Cost																				
2.1) Airframe PGSE <sup>(8)</sup>	-	-	-	-	-	-	-	-	119.593	-	-	14.712	-	-	-	-	-	14.712		

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy													<b>Date:</b> March 2023																
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1				<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25									<b>Item Number / Title [DODIC]:</b> 1 / MQ-25																
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>																
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																													
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>													
	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>	<b>Unit Cost (\$ K)</b>	<b>Qty (Each)</b>	<b>Total Cost (\$ M)</b>											
2.2) Peculiar Training Equip <sup>(9)</sup>	-	-	-	-	-	-	-	-	24.870	-	-	31.889	-	-	-	-	-	31.889											
2.3) Production Support <sup>(10)</sup>	-	-	-	-	-	-	-	-	33.016	-	-	44.629	-	-	-	-	-	44.629											
2.4) Publication Tech Data <sup>(11)</sup>	-	-	-	-	-	-	-	-	-	-	-	0.315	-	-	-	-	-	0.315											
<i>Subtotal: Support Cost</i>	-	-	-	-	-	-	-	-	<b>177.479</b>	-	-	<b>91.545</b>	-	-	-	-	-	<b>91.545</b>											
Gross/Weapon System Cost	-	-	<b>0.000</b>	-	-	<b>0.000</b>	<b>744,181.000</b>	1	<b>744.181</b>	<b>199,053.333</b>	3	<b>597.160</b>	-	-	<b>0.000</b>	<b>199,053.333</b>	3	<b>597.160</b>											
<b>Remarks:</b> [Flyaway/Recurring] FY23 total cost of 1 air vehicle is \$210M. The program balanced FY23 to the PB24 control by utilizing the FY22 AP funding (\$47M). An FY22 AP funding reduction requires additional funding in FY23 above the PB24 control to satisfy the total cost to procure one air vehicle. Funding for AP is aligned under cost elements 1.1.1 (Engines/Accessories), 1.1.2 (Airframe/CFE), and 1.1.3 (GFE Avionics) and 1.1.4 (CFE/Avionics).																													
(†) indicates the presence of a P-5a																													
<b>Footnotes:</b>																													
(1) CE 1.1.1 Engines/Accessories: Increase in FY23 to FY24 due to updating the cost estimate with data provided to the government team and the ramp from 1 A/C (FY23) to 3 A/C (FY24).																													
(2) CE 1.1.3 GFE Avionics: Increase in FY23 to FY24 due to the ramp from 1 A/C (FY23) to 3 A/C (FY24).																													
(3) CE 1.1.4 CFE/Avionics: Cost increase in FY23 to FY24 due to escalation derived from market forecasting to better represent increases to aerospace and aircraft avionics pricing and the ramp from 1 A/C (FY23) to 3 A/C (FY24).																													
(4) CE 1.1.5 Rec Flyaway ECO: MQ-25 ECO is estimate as a percentage based off the total LRIP Lot 2 procurement. MQ-25 is a new development program therefore, in accordance with other historical program phasing, 8% of Airframe/CFE was used in the first year and decreases in subsequent Lots to account for correction of deficiencies found during EMD.																													
(5) CE 1.2.1 NRE: Increase in FY23 to FY24 due to addition of 4% factor to account for future capability improvements.																													
(6) CE 1.2.2 Tooling: FY23 tooling decreased to account for a change in estimating from an analogy to engineering method with data provided to the govt team. FY23 funding was realigned to cost element 2.1 Airframe PGSE from PB23 to PB24																													
(7) CE 1.2.3 Obsolescence: Was renamed from Other Costs to Obsolescence in order to clearly identify the funding required to address critical obsolescence efforts. FY23 increase in cost from PB23 to PB24 is to address known obsolescence redesigns necessary to deliver a fully usable end item at the start of LRIP Lot 1.																													
(8) CE 2.1 Airframe PGSE: Profile supports the phased approach of procuring/fielding Common and Peculiar Support Equipment as well as the establishment of organic Intermediate (I) and Depot (D) level repair capability. Requirements align to design development and aircraft deliveries. Increase in FY23 from PB23 to PB24 reflect maturity in existing data supporting increased FY23 procurement.																													
(9) CE 2.2 Peculiar Training Equipment: Increases in FY23 to FY24 due to hardware requirements to support stand-up of Air Vehicle Pilot (AVP) Trainers on West and East Coast as well as Maintenance trainers on the West Coast. Requirements align to MQ-25 squadron stand-up schedule.																													
(10) CE 2.3 Production Support: The increase in FY24 is due to the ramp in government team supporting production as the program transitions from development activities to production activities.																													

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy		<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1	<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25	<b>Item Number / Title [DODIC]:</b> 1 / MQ-25
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :	<b>MDAP/MAIS Code:</b>	
(11) CE 2.4 Publication Tech Data: Government is developing technical publications based on data delivered under EMD. FY23 reduced to match program schedule. Effort will begin in FY24 after the delivery of the first air vehicle.		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0449 / MQ-25				Item Number / Title [DODIC]: 1 / MQ-25					
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) Airframe/CFE *(†)		2023 <sup>(12)</sup>	Boeing Co <sup>(13)</sup> / St. Louis/MO	C / TBD	NAVAIR	Oct 2023	Nov 2026	1	190,832.000	N	Jul 2022	Sep 2022
1.1.2) Airframe/CFE *(†)		2024 <sup>(14)</sup>	Boeing Co <sup>(13)</sup> / St. Louis/MO	C / TBD	NAVAIR	Oct 2023	Feb 2027	3	136,252.667	N	Jul 2022	Sep 2022
<b>Advance Procurement</b>												
CFE - Airframe		2022	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Sep 2022	Nov 2025	1	24,551.000	N	Jul 2022	
CFE - Airframe		2023	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Feb 2023	Feb 2026	3	6,524.000	N	Jul 2022	
CFE - Airframe		2024	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2023	Oct 2026	4	3,824.500	N	Jul 2022	
CFE - Airframe		2025	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2024	Oct 2027	4	3,899.750	N	Jul 2022	
CFE - Airframe		2026	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2025	Oct 2028	4	3,973.000	N	Jul 2022	
CFE - Airframe		2027	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2026	Oct 2029	7	3,349.000	N	Jul 2022	
CFE - Airframe		2028	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2027	Oct 2030	7	3,622.429	N	Jul 2022	
CFE - Engines		2022	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Sep 2022	Nov 2025	1	18,645.000	N	Jul 2022	
CFE - Engines		2023	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Feb 2023	Feb 2026	3	5,044.333	N	Jul 2022	
CFE - Engines		2024	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2023	Oct 2026	4	5,044.500	N	Jul 2022	
CFE - Engines		2025	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2024	Oct 2027	4	5,149.500	N	Jul 2022	
CFE - Engines		2026	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2025	Oct 2028	4	5,254.000	N	Jul 2022	
CFE - Engines		2027	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2026	Oct 2029	7	5,141.143	N	Jul 2022	
CFE - Engines		2028	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2027	Oct 2030	7	5,242.000	N	Jul 2022	
CFE - Avionics		2022	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Sep 2022	Nov 2025	1	4,272.000	N	Jul 2022	
CFE - Avionics		2023	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Feb 2023	Feb 2026	3	4,349.333	N	Jul 2022	
CFE - Avionics		2024	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2023	Oct 2026	4	2,549.750	N	Jul 2022	
CFE - Avionics		2025	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2024	Oct 2027	4	2,600.000	N	Jul 2022	
CFE - Avionics		2026	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2025	Oct 2028	4	2,648.500	N	Jul 2022	
CFE - Avionics		2027	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2026	Oct 2029	7	2,232.714	N	Jul 2022	
CFE - Avionics		2028	Boeing Co. / St. Louis, MO	C / TBD	NAVAIR	Oct 2027	Oct 2030	7	2,415.000	N	Jul 2022	
GFE - Avionics - ANTS		2023	NIWC / San Diego, CA	C / TBD	NIWC	Jun 2023	Jun 2025	3	631.333	Y		
GFE - Avionics - ANTS		2024	NIWC / San Diego, CA	C / TBD	NIWC	Jun 2024	Jun 2026	4	644.250	Y		
GFE - Avionics - ANTS		2025	NIWC / San Diego, CA	C / TBD	NIWC	Jun 2025	Jun 2027	4	654.250	Y		
GFE - Avionics - ANTS		2026	NIWC / San Diego, CA	C / TBD	NIWC	Jun 2026	Jun 2028	4	664.750	Y		
GFE - Avionics - ANTS		2027	NIWC / San Diego, CA	C / TBD	NIWC	Jun 2027	Jun 2029	7	648.571	Y		
GFE - Avionics - ANTS		2028	NIWC / San Diego, CA	C / TBD	NIWC	Jun 2028	Jun 2030	7	659.143	Y		
GFE - Other		2023	BAE Systems / Greenlawn, NY	C / TBD	NAVAIR	Jun 2023	Jun 2025	3	141.333	Y		
GFE - Other		2024	BAE Systems / Greenlawn, NY	C / TBD	NAVAIR	Jun 2024	Jun 2026	4	107.000	Y		
GFE - Other		2025	BAE Systems / Greenlawn, NY	C / TBD	NAVAIR	Jun 2025	Jun 2027	4	108.000	Y		

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Exhibit P-5a, Procurement History and Planning: PB 2024 Navy								Date: March 2023				
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0449 / MQ-25					Item Number / Title [DODIC]: 1 / MQ-25				
Cost Elements	O C O	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost (\$K)	Specs Avail Now?	Date Revision Available	RFP Issue Date
GFE - Other		2026	BAE Systems / Greenlawn, NY	C / TBD	NAVAIR	Jun 2026	Jun 2028	4	109.500	Y		
GFE - Other		2027	BAE Systems / Greenlawn, NY	C / TBD	NAVAIR	Jun 2027	Jun 2029	7	106.571	Y		
GFE - Other		2028	BAE Systems / Greenlawn, NY	C / TBD	NAVAIR	Jun 2028	Jun 2030	7	109.571	Y		
GFE - Avionics - MIDS/JTRS		2023	VIASAT / Carlsbad, CA	C / TBD	NAVAIR	Jun 2023	Jun 2025	3	464.000	Y		
GFE - Avionics - MIDS/JTRS		2024	VIASAT / Carlsbad, CA	C / TBD	NAVAIR	Jun 2024	Jun 2026	4	474.000	Y		
GFE - Avionics - MIDS/JTRS		2025	VIASAT / Carlsbad, CA	C / TBD	NAVAIR	Jun 2025	Jun 2027	4	481.000	Y		
GFE - Avionics - MIDS/JTRS		2026	VIASAT / Carlsbad, CA	C / TBD	NAVAIR	Jun 2026	Jun 2028	4	488.750	Y		
GFE - Avionics - MIDS/JTRS		2027	VIASAT / Carlsbad, CA	C / TBD	NAVAIR	Jun 2027	Jun 2029	7	476.857	Y		
GFE - Avionics - MIDS/JTRS		2028	VIASAT / Carlsbad, CA	C / TBD	NAVAIR	Jun 2028	Jun 2030	7	484.571	Y		

(t) indicates the presence of a P-21

**Footnotes:**

(12) Program delays due to verification of obsolescence redesign on Lot 1 LRIP aircraft. Air vehicle deliveries are phased post verification and include additional duration based on EMD aircraft build performance. Expect to be back on track to 2 year build in Lot 5

(13) Program delays due to verification of obsolescence redesign on Lot 1 LRIP aircraft. Air vehicle deliveries are phased post verification and include additional duration based on EMD aircraft build performance. Expect to be back on track to 2 year build in Lot 5

(14) Program delays due to verification of obsolescence redesign on Lot 1 LRIP aircraft. Air vehicle deliveries are phased post verification and include additional duration based on EMD aircraft build performance. Expect to be back on track to 2 year build in Lot 5

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Exhibit P-21, Production Schedule: PB 2024 Navy																					Date: March 2023														
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0449 / MQ-25											Item Number / Title [DODIC]: 1 / MQ-25														
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025																
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT T	O C O V	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E				
1.1.2) Airframe/CFE *																																			1
1	2023	NAVY	1	0	1	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
1	2024	NAVY	3	0	3	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3		
							OCT T	O C O V	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																			
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0449 / MQ-25										Item Number / Title [DODIC]: 1 / MQ-25																			
Cost Elements (Units in Each)							Fiscal Year 2026												Fiscal Year 2027																				
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT 2025	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E								
1.1.2) Airframe/CFE *																																							
1	2023	NAVY	1	0	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1													0						
1	2024	NAVY	3	0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0				
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									

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<b>Exhibit P-21, Production Schedule: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25					<b>Item Number / Title [DODIC]:</b> 1 / MQ-25				
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Boeing Co <sup>(13)</sup> - St. Louis/MO			TBD	0	12	26	38	0	0	24	24

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

<sup>(13)</sup> Program delays due to verification of obsolescence redesign on Lot 1 LRIP aircraft. Air vehicle deliveries are phased post verification and include additional duration based on EMD aircraft build performance. Expect to be back on track to 2 year build in Lot 5

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023									
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25													
<b>Program Elements for Code B Items:</b> 0305205N				<b>Other Related Program Elements:</b> N/A													
<b>Line Item MDAP/MAIS Code:</b> P462																	
Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total					
Gross/Weapon System Cost (\$ in Millions)	-	47.468	51.463	50.576	-	50.576	51.570	52.554	83.684	87.729	602.698	1,027.742					
Net Procurement (P-1) (\$ in Millions)	-	47.468	51.463	50.576	-	50.576	51.570	52.554	83.684	87.729	602.698	1,027.742					
<b>Total Obligation Authority (\$ in Millions)</b>	<b>-</b>	<b>47.468</b>	<b>51.463</b>	<b>50.576</b>	<b>-</b>	<b>50.576</b>	<b>51.570</b>	<b>52.554</b>	<b>83.684</b>	<b>87.729</b>	<b>602.698</b>	<b>1,027.742</b>					
<b>Description:</b>																	
The MQ-25 program provides an unmanned capability to embark on CVNs as part of the Carrier Air Wing (CVW) to conduct aerial refueling as a primary mission and provide Intelligence, Surveillance, Reconnaissance (ISR) capability as a secondary mission. MQ-25 extends the CVW mission effectiveness range, partially mitigates the current Carrier Strike Group (CSG) organic ISR shortfall and fills the future CVW-tanker gap, mitigating Strike Fighter shortfall and preserving F/A-18E/F Fatigue Life for its primary missions. As the first carrier-based, group 5 Unmanned Aircraft System (UAS), MQ-25 pioneers the integration of manned and unmanned operations, demonstrates mature complex sea-based Command, Control, Communications, Computers, and Intelligence (C4I) UAS technologies, and paves the way for future multifaceted multi-mission UAS to pace emerging threats.																	
MQ-25 is designed to conduct aerial refueling and ISR missions. MQ-25 will have the ability to refuel all carrier based fixed wing aircraft and pass sensor data to other aircraft, naval vessels, and ground forces. Sensor data is transmitted at appropriate classification levels, to exploitation nodes afloat and ashore (e.g. Distributed Common Ground System - Navy). The MQ-25 system is sustainable onboard an aircraft carrier, as well as ashore, and is designed to minimize the logistics footprint.																	
MQ-25 achieves these capabilities through the use of a carrier-suitable, semi-autonomous, unmanned Air Segment and the Unmanned Carrier Aviation (UCA) Mission Control System (UMCS) that provides CVN infrastructure modifications and hardware to support MQ-25 operations aboard all NIMITZ class carriers (except CVN 68), all delivered and planned FORD class carriers, and operational shore sites. The Government is the Lead Systems Integrator (LSI), providing government-led system of systems integration for the MQ-25 Program. The program coordinates across all segments and with external stakeholders to ensure program activities are synchronized. MQ-25 interfaces with existing ship and land-based command and control systems, including ISR Tasking, Collection, Processing, Exploitation, and Dissemination systems.																	
The tentative items planned to support the Advanced Acquisition Contracts (AAC) efforts include but are not limited to; landing gear and components, engine and engine nozzles, skins, hook keels, hand forgings, fuel and hydraulic pumps, inner wing fold fitting, inner wing pylon post, wing fold and REFCAS, hand forgings wing root fitting, Vehicle Management Systems Computer (VMSC), Stores Control Unit (SCU), pylon hook, tail actuators, generators, raw materials such as titanium, assorted mission systems component, Advanced Networking Tactical System (ANTS), Multifunctional Information Distribution System (MIDS)/Joint Tactical Radio System- (JTRS), Conformal-Controlled Reception Pattern Antenna (C-CRPA), and Advanced Digital Antenna Production -Antenna Electronic (ADAP-AE).																	

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<b>Exhibit P-40, Advance Procurement Budget Line Item Justification: PB 2024 Navy</b>						<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25							
<b>Program Elements for Code B Items:</b> 0305205N				<b>Other Related Program Elements:</b> N/A							
Line Item MDAP/MAIS Code: P462											
Exhibits Schedule			Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total			
Exhibit Type	Title*	ID CD	MDAP/MAIS Code	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)	Quantity / Total Cost (Each) I (\$ M)			
P-10	1 / MQ-25			- / -	- / 47.468	1 / 51.463	3 / 50.576	- / -			
P-40	Total Gross/Weapon System Cost			- / -	- / 47.468	1 / 51.463	3 / 50.576	- / -			

\*Title represents the P-10 Title for Advance Procurement.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY 2024 requests Advance Procurement to support long lead requirements for 4 Low Rate Initial Production (LRIP) aircraft in FY 2025. The Advanced Acquisition Contracts (AAC) award is planned for October 2023. Procurement of long-lead items is determined based upon need dates for materials/components incorporation into the production line build sequence.

Total Gross/Weapon System Cost accounts for the adjustments in quantities and utilizes the existing AP profile in order to fully fund a usable end item. Adjustments to FY22 -FY24 AP will result in an inadequate total funding for Lots 1-3. AP will update when actuals are received.

AP is estimated at 15% of the air vehicle Unit Cost, less Contractor SEPM. Air vehicle Unit Cost increased across the FYDP from PB23 to PB24 due to updating of cost estimating analogies by incorporating a more representative Airframe analogy and data provided to the govt team for Engines and Avionics.

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 1 - Budget Funding Justification): PB 2024 Navy</b>				<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1		<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25		
<b>First System (2024) Award Date:</b> January 2013		<b>First System (2024) Completion Date:</b> January 2013		
MQ-25	Production Leadtime (Months)	Prior Years (Each)	FY 2022 (Each)	FY 2023 (Each)
Quantity		-	-	1
Cost Elements	When Required (Months)	Prior Years (\$ M)	FY 2022 (\$ M)	FY 2023 (\$ M)
<b>CFE</b>				
CFE - Airframe (†)	0	-	24.551	19.572
CFE - Engines (22) (†)	0	-	18.645	15.133
CFE - Avionics (†)	0	-	4.272	13.048
<i>Total: CFE</i>		-	47.468	47.753
<b>GFE</b>				
GFE - Avionics - ANTS (†)	0	-	-	1.894
GFE - Other (†)	0	-	-	0.424
GFE - Avionics - MIDS/JTRS (†)	0	-	-	1.392
<i>Total: GFE</i>		-	-	3.710
<b>Total Advance Procurement/Obligation Authority</b>		-	47.468	51.463
				<b>50.576</b>

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<b>Exhibit P-10, Advance Procurement Requirements Analysis (page 2 - Budget Funding Justification): PB 2024 Navy</b>					<b>Date:</b> March 2023
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1	<b>P-1 Line Item Number / Title:</b> 0449 / MQ-25			<b>P-5 Number / Title:</b> 1 / MQ-25	
<b>FY 2024</b>					
<b>Cost Elements</b>	<b>QPA (Each)</b>	<b>Production Leadtime (Months)</b>	<b>Unit Cost (\$ K)</b>	<b>Contract Forecast Date</b>	<b>2024 Qty (Each)</b>
<b>CFE</b>					
CFE - Airframe <sup>(†)</sup>	0	38	3,824.500	Oct 2023	4
CFE - Engines <sup>(22) (†)</sup>	0	38	5,044.500	Oct 2023	4
CFE - Avionics <sup>(†)</sup>	0	38	2,549.750	Oct 2023	4
<i>Total: CFE</i>					<b>45.675</b>
<b>GFE</b>					
GFE - Avionics - ANTS <sup>(†)</sup>	0	24	644.250	Jun 2024	4
GFE - Other <sup>(†)</sup>	0	24	107.000	Jun 2024	4
GFE - Avionics - MIDS/JTRS <sup>(†)</sup>	0	24	474.000	Jun 2024	4
<i>Total: GFE</i>					<b>4.901</b>
<b>Total Advance Procurement/Obligation Authority</b>					<b>50.576</b>
<b>Description:</b> The MQ-25 Advance Procurement (AP) funding will be used to procure long lead CFE and GFE materials to support the AAC efforts, which include but are not limited to; landing gear and components, engine and engine nozzles, skins, hook keels, hand forgings, fuel and hydraulic pumps, inner wing fold fitting, inner wing pylon post, wing fold and Rotary Electromechanical Flight Control Actuation System (REFCAS), hand forgings wing root fitting, Vehicle Management Systems Computer (VMSC), Stores Control Unit (SCU), pylon hook, tail actuators, generators, raw materials such as titanium, assorted mission systems component, Advanced Networking Tactical System (ANTS), Multifunctional Information Distribution System (MIDS)/Joint Tactical Radio System- (JTRS), Conformal-Controlled Reception Pattern Antenna (C-CRPA), and Advanced Digital Antenna Production -Antenna Electronic (ADAP-AE).					
(†) indicates the presence of Contract Data presented in the associated P-5 Item's P-5a exhibit.					
<b>Footnotes:</b> <sup>(22)</sup> CFE Engines: Increase due to propulsion specific escalation versus OSD inflation.					

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft					<b>P-1 Line Item Number / Title:</b> 0452 / Marine Group 5 UAS							
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A			<b>Program Elements for Code B Items:</b> 0207257N					<b>Other Related Program Elements:</b> 0603128N				
<b>Line Item MDAP/MAIS Code:</b> N/A												
<b>Resource Summary</b>	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>FY 2025</b>	<b>FY 2026</b>	<b>FY 2027</b>	<b>FY 2028</b>	<b>To Complete</b>	<b>Total</b>
Procurement Quantity ( <i>Units in Each</i> )	-	8	5	5	-	5	-	-	-	-	-	18
Gross/Weapon System Cost ( <i>\$ in Millions</i> )	0.000	272.666	103.882	89.563	0.000	89.563	15.519	10.460	11.059	11.457	-	514.606
Less PY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) ( <i>\$ in Millions</i> )	0.000	272.666	103.882	89.563	0.000	89.563	15.519	10.460	11.059	11.457	-	514.606
Plus CY Advance Procurement ( <i>\$ in Millions</i> )	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Obligation Authority</b> ( <i>\$ in Millions</i> )	<b>0.000</b>	<b>272.666</b>	<b>103.882</b>	<b>89.563</b>	<b>0.000</b>	<b>89.563</b>	<b>15.519</b>	<b>10.460</b>	<b>11.059</b>	<b>11.457</b>	-	<b>514.606</b>
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares ( <i>\$ in Millions</i> )	-	35.895	79.875	89.377	-	89.377	50.692	23.529	8.985	1.673	Continuing	Continuing
Flyaway Unit Cost ( <i>\$ in Thousands</i> )	-	31,726.375	7,692.200	7,234.000	-	7,234.000	-	-	-	-	-	18,246.778
Gross/Weapon System Unit Cost ( <i>\$ in Thousands</i> )	-	34,083.250	20,776.400	17,912.600	-	17,912.600	-	-	-	-	-	28,589.222
<b>Description:</b> The Marine Air Ground Task Force (MAGTF) Unmanned Aircraft System (UAS) Expeditionary (MUX) Medium Altitude Long Endurance (MALE) line item provides for the procurement of air vehicles, ancillary equipment, ground support equipment, sensors, networking provision, government furnished equipment, technical publications, and training required to support end item procurements to address capability requirements identified in the October 2016 MUX ICD and associated Requirements Clarification document. The MALE solution, which employs a Block 5 MQ-9A airframe, is the first element of the MUX Family of Systems (FoS). MALE provides direct support to the Marine Littoral Regiment (MLR) in peer-to-peer conflict. It will provide stand-off sensing and Command, Control, Communication, and Computers (C4) capabilities, while supporting numerous low-cost stand-in Marine Air-Ground Task Force (MAGTF) assets, which will enhance the MLR's domain awareness and survivability. The first production lot (FY22) is procured through a USAF contract. Follow-on production air vehicles will be acquired through an asset transfer from the USAF production inventory.												

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<b>Exhibit P-40, Budget Line Item Justification: PB 2024 Navy</b>							<b>Date:</b> March 2023			
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N: Aircraft Procurement, Navy / BA 04: Other Aircraft / BSA 1: Other Aircraft				<b>P-1 Line Item Number / Title:</b> 0452 / Marine Group 5 UAS						
<b>ID Code</b> (A=Service Ready, B=Not Service Ready): A		<b>Program Elements for Code B Items:</b> 0207257N			<b>Other Related Program Elements:</b> 0603128N					
<b>Line Item MDAP/MAIS Code:</b> N/A										
<b>Exhibits Schedule</b>				<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	
<b>Exhibit Type</b>	<b>Title*</b>	<b>Subexhibits</b>	<b>ID CD</b>	<b>MDAP/MAIS Code</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	<b>Quantity / Total Cost (Each) / (\$ M)</b>	
P-5	1 / Marine Group 5 UAS	P-5a, P-21			- / 0.000	8 / 272.666	5 / 103.882	5 / 89.563	- / 0.000	5 / 89.563
<b>P-40</b>	<b>Total Gross/Weapon System Cost</b>				<b>- / 0.000</b>	<b>8 / 272.666</b>	<b>5 / 103.882</b>	<b>5 / 89.563</b>	<b>- / 0.000</b>	<b>5 / 89.563</b>

\*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

**Justification:**

FY24 air vehicle quantities reflects production assets that will be transferred from the USAF to USMC custody per requirements determination assessment. FY24 funding provides funding for ancillary equipment, support equipment, networking and communications infrastructure, SATCOM and terrestrial network connectivity, training devices, technical publications, and site stand up at designated locations.

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy													<b>Date:</b> March 2023					
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1				<b>P-1 Line Item Number / Title:</b> 0452 / Marine Group 5 UAS									<b>Item Number / Title [DODIC]:</b> 1 / Marine Group 5 UAS					
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>					
<b>Resource Summary</b>				<b>Prior Years</b>			<b>FY 2022</b>		<b>FY 2023</b>		<b>FY 2024 Base</b>		<b>FY 2024 OCO</b>		<b>FY 2024 Total</b>			
Procurement Quantity ( <i>Units in Each</i> )							-		8		5		5		-		5	
Gross/Weapon System Cost (\$ in Millions)							0.000		272.666		103.882		89.563		0.000		89.563	
Less PY Advance Procurement (\$ in Millions)							-		-		-		-		-		-	
Net Procurement (P-1) (\$ in Millions)							0.000		272.666		103.882		89.563		0.000		89.563	
Plus CY Advance Procurement (\$ in Millions)							-		-		-		-		-		-	
<b>Total Obligation Authority</b> (\$ in Millions)							0.000		272.666		103.882		89.563		0.000		89.563	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																		
Initial Spares (\$ in Millions)							-		35.895		79.875		89.377		-		89.377	
Gross/Weapon System Unit Cost (\$ in Thousands)							-		34,083.250		20,776.400		17,912.600		-		17,912.600	
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																		
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>		
	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Flyaway Cost																		
Recurring Cost																		
1.1.1) Airframe/CFE <sup>(†)</sup>	-	-	-	19,151.250	8	153.210	0.000	5	0.000	0.000	5	0.000	-	-	-	0.000	5	0.000
1.1.2) Payload/Mission System CFE <sup>(1)</sup>	-	-	-	-	-	17.836	-	-	2.500	-	-	-	-	-	-	-	-	-
1.1.3) GFE Electronics	-	-	-	-	-	35.590	-	-	0.250	-	-	-	-	-	-	-	-	-
1.1.4) Rec Flyaway ECO <sup>(2)</sup>	-	-	-	-	-	6.798	-	-	3.001	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>	-	-	-	-	-	213.434	-	-	5.751	-	-	-	-	-	-	-	-	-
Non Recurring Cost																		
1.2.1) Ancillary Equip <sup>(3)</sup>	-	-	-	-	-	40.377	-	-	32.710	-	-	36.170	-	-	-	-	-	36.170
<i>Subtotal: Non Recurring Cost</i>	-	-	-	-	-	40.377	-	-	32.710	-	-	36.170	-	-	-	-	-	36.170
<i>Subtotal: Flyaway Cost</i>	-	-	-	-	-	253.811	-	-	38.461	-	-	36.170	-	-	-	-	-	36.170
Support Cost																		
2.1) Airframe PGSE <sup>(4)</sup>	-	-	-	-	-	8.776	-	-	5.514	-	-	6.377	-	-	-	-	-	6.377
2.2) Pec Trng Eq <sup>(5)</sup>	-	-	-	-	-	2.977	-	-	36.395	-	-	21.659	-	-	-	-	-	21.659
2.3) Pubs/Tech Equipment Data <sup>(6)</sup>	-	-	-	-	-	0.139	-	-	2.493	-	-	5.356	-	-	-	-	-	5.356
2.4) Other ILS <sup>(7)</sup>	-	-	-	-	-	3.149	-	-	12.882	-	-	13.057	-	-	-	-	-	13.057
2.5) Prod Eng Supt	-	-	-	-	-	3.814	-	-	8.137	-	-	6.944	-	-	-	-	-	6.944

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<b>Exhibit P-5, Cost Analysis:</b> PB 2024 Navy													<b>Date:</b> March 2023								
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1				<b>P-1 Line Item Number / Title:</b> 0452 / Marine Group 5 UAS										<b>Item Number / Title [DODIC]:</b> 1 / Marine Group 5 UAS							
<b>ID Code</b> (A=Service Ready, B=Not Service Ready) :													<b>MDAP/MAIS Code:</b>								
Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.																					
<b>Cost Elements</b>	<b>Prior Years</b>			<b>FY 2022</b>			<b>FY 2023</b>			<b>FY 2024 Base</b>			<b>FY 2024 OCO</b>			<b>FY 2024 Total</b>					
	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)	<b>Unit Cost</b> (\$ K)	<b>Qty</b> ( <i>Each</i> )	<b>Total Cost</b> (\$ M)			
<i>Subtotal: Support Cost</i>	-	-	-	-	-	<b>18.855</b>	-	-	<b>65.421</b>	-	-	<b>53.393</b>	-	-	-	-	<b>53.393</b>				
<b>Gross/Weapon System Cost</b>	-	-	<b>0.000</b>	<b>34,083.250</b>	8	<b>272.666</b>	<b>20,776.400</b>	5	<b>103.882</b>	<b>17,912.600</b>	5	<b>89.563</b>	-	-	<b>0.000</b>	<b>17,912.600</b>	5	<b>89.563</b>			

(†) indicates the presence of a P-5a

**Footnotes:**

- (1) FY22 funding completed the procurement of 10 external fuel tanks and sensor hardware. FY23 funding is in support of sensor airworthiness.
- (2) FY22 and FY23 funding is for Engineering Change Proposals (ECP), NRE, and production line programmatic and engineering support.
- (3) FY24 Ancillary Equipment increase is due to the procurement of SATCOM Terminal, Ground Based Sense and Avoid (GBSAA), and Remote Split Operations (RSO) Kit and Equipment required for safety of flight operations. In support of Force Design 2030, new support equipment procurement for (2) Ground-Based Sense-And-Avoid (GBSAA) systems to enable MQ-9 terminal-area flight operations below FL180 in Class E airspace within CONUS. Supports site standup at MCAS Cherry Point (VMUT-2) and MCAS Yuma (VMU-1) training sites.
- (4) FY24 Airframe PGSE increase is due to the acceleration of air vehicle availability, which requires an increased level PGSE posture as the overall fleet inventory increase with this final planned acceptance of air vehicles. The Airframe PGSE line reflects required investments to establish an organic operational- and intermediate-level maintenance capability.
- (5) Peculiar Training Equipment consists of Mission System Trainers, including Operator Instructional Equipment.
- (6) FY24 Pubs/Tech Equipment Data increase is due to two additional sites and ALE/cybersecurity requirements. Site standup required to procure and standup Intermediate, Organizational, and Depot level maintenance systems required in support of Initial Operational Capability (IOC). The establishment of depot maintenance capabilities as a requirement supporting Section 2464 of Title 10, United States Code. FY24 continues Technical Publications and drawing updates, as well as support for one site and squadron stand-up.
- (7) FY24 Other ILS increase is due to communication networks provisioning, which establishes the communication network associated with COMSEC Modules and future planned missions systems to ensure secure and accessible network to authorized users. While this cost element does focus on the systems procured during this FY, it also addresses standing up and maintaining the logistics infrastructure required to support systems and site standup, site coordination and activities for the USAF asset transfer of production assets in FY24.

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<b>Exhibit P-5a, Procurement History and Planning: PB 2024 Navy</b>								<b>Date:</b> March 2023				
<b>Appropriation / Budget Activity / Budget Sub Activity:</b> 1506N / 04 / 1			<b>P-1 Line Item Number / Title:</b> 0452 / Marine Group 5 UAS					<b>Item Number / Title [DODIC]:</b> 1 / Marine Group 5 UAS				
<b>Cost Elements</b>	<b>O C O</b>	<b>FY</b>	<b>Contractor and Location</b>	<b>Method/Type or Funding Vehicle</b>	<b>Location of PCO</b>	<b>Award Date</b>	<b>Date of First Delivery</b>	<b>Qty (Each)</b>	<b>Unit Cost (\$ K)</b>	<b>Specs Avail Now?</b>	<b>Date Revision Available</b>	<b>RFP Issue Date</b>
1.1.1) Airframe/CFE <sup>(†)</sup>		2022 <sup>(8)</sup>	General Atomics Aeronautical / Poway, CA 92064	SS / IDIQ	Wright Patterson Airforce Base	May 2022	Jun 2023	8	19,151.250	Y		Sep 2021
1.1.1) Airframe/CFE <sup>(†)</sup>		2023 <sup>(9)</sup>	General Atomics Aeronautical / Poway, CA 92064	SS / IDIQ	Wright Patterson Airforce Base	Oct 2022	Oct 2022	5	0.000	Y		Sep 2021
1.1.1) Airframe/CFE <sup>(†)</sup>		2024 <sup>(10)</sup>	General Atomics Aeronautical / Poway, CA 92064	SS / IDIQ	Wright Patterson Airforce Base	Oct 2023	Feb 2024	5	0.000	Y		Sep 2021

<sup>(†)</sup> indicates the presence of a P-21

**Footnotes:**

<sup>(8)</sup> The MALE procurement strategy implements an assisted acquisition by the USAF through an established USAF Indefinite Delivery /Indefinite Quantity (IDIQ). The program will fulfill air vehicle quantities previously planned in FY23 (QTY 5) and FY24 (QTY 5) through the transfer of assets from the USAF new production quantities. USAF contract award dates spanned between FY20-FY21 timeframe.

<sup>(9)</sup> Due to PDOCS system limitations the USAF actual award date for the assets was September 2020.

<sup>(10)</sup> Due to PDOCS system limitations the USAF actual award date for the assets was April 2021.

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																						
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS										Item Number / Title [DODIC]: 1 / Marine Group 5 UAS																						
Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023																							
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E											
1.1.1) Airframe/CFE																																										
1	2022	NAVY	8 <sup>(11)</sup>	0	8																																2	-	-	-	6	
1	2023	NAVY	5 <sup>(12)</sup>	0	5																																			1	-	2
1	2024	NAVY	5 <sup>(13)</sup>	0	5																																					5
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P												

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Exhibit P-21, Production Schedule: PB 2024 Navy																				Date: March 2023																
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1										P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS										Item Number / Title [DODIC]: 1 / Marine Group 5 UAS																
Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025																	
O C R O #	M F R Y	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	FY	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L A N C E					
1.1.1) Airframe/CFE																																				
1	2022	NAVY	8 <sup>(11)</sup>	2	6	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	0															
1	2023	NAVY	5 <sup>(12)</sup>	3	2	-	-	1	1												0															
1	2024	NAVY	5 <sup>(13)</sup>	0	5	A -	-	-	-	1	-	-	-	-	-	2	1	1		0																

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Exhibit P-21, Production Schedule: PB 2024 Navy										Date: March 2023		
Appropriation / Budget Activity / Budget Sub Activity: 1506N / 04 / 1			P-1 Line Item Number / Title: 0452 / Marine Group 5 UAS						Item Number / Title [DODIC]: 1 / Marine Group 5 UAS			
MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
		MSR For 2024	1-8-5 For 2024	MAX For 2024	Initial				Reorder			
					ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Atomics Aeronautical - Poway, CA 92064	16	20	24	0	7	14	21	0	4	2	6

"A" in the Delivery Schedule indicates the Contract Award Date.

**Note:** Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

**Footnotes:**

(11) Accelerated (12 months) delivery schedule based on OEM's in production capital assets.

(12) Deliveries identify scheduled asset transfer from the USAF production assets.

(13) Deliveries identify scheduled asset transfer from the USAF production assets.